

# Koken®





**Koken<sup>®</sup>**

TOOLS OF CONVINCING QUALITY

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**WARRANTEE**

The trade mark **Koken** is your unqualified Warrantee against any defect in material or workmanship. Each **Koken** tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any **Koken** tool which fails because of defective material or workmanship will be repaired or replaced through your **Koken** dealer, to the exclusion of any further liability.

**Koken** TOOL CO. LTD.



# Koken® *HAND SOCKETS*

Please observe our safety advices pages 2 & 3



## Sockets

### 2400M/2400A 6-point Sockets



2400M	2400A	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
3	1/8	5.2	11.2	3.4	22	7
4		6.7	11.2	3.8	22	8
4.5		7.1	11.2	4.1	22	8
5	3/16	7.7	11.2	4.3	22	8
5.5		8.3	11.2	4.8	22	9
	7/32	8.8	11.2	4.8	22	9
6		9.0	11.2	5.3	22	9
	1/4	9.6	11.2	5.3	22	9
7	9/32	10.2	11.2	5.8	22	9
8	5/16	11.3	12.0	6.8	22	11
9	11/32	13.0	12.0	7.2	22	12
10	3/8	14.3	12.9	8.2	22	15
11	7/16	16.0	14.3	9.2	22	18
12		17.4	16.0	10.2	22	23
13	1/2	18.0	16.4	10.2	22	23
14	9/16	19.3	17.9	12.2	24	30

### 2405M/2405A 12-point Sockets




2405M	2405A	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
3	1/8	5.2	11.2	3.4	22	7
4		6.7	11.2	3.8	22	8
4.5		7.1	11.2	4.1	22	8
5	3/16	7.7	11.2	4.3	22	8
5.5		8.3	11.2	4.8	22	8
	7/32	8.8	11.2	4.8	22	9
6		9.0	11.2	5.3	22	9
	1/4	9.6	11.2	5.3	22	9
7	9/32	10.2	11.2	5.8	22	9
8	5/16	11.3	12.0	6.8	22	11
9	11/32	13.0	12.0	7.2	22	10
10	3/8	14.3	12.9	8.2	22	14
11	7/16	16.0	14.3	9.2	22	16
12		17.4	16.0	10.2	22	22
13	1/2	18.0	16.4	10.2	22	22
14	9/16	19.3	17.9	12.2	24	29

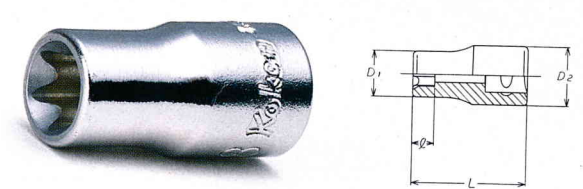
## Sockets


### 2400W BA Sockets



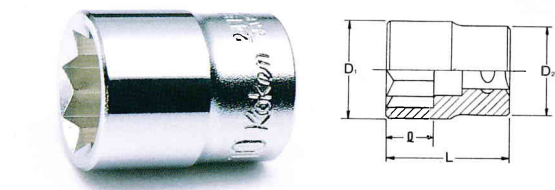
2400W	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
8	5.8	11.2	3.5	22	7
7	7.1	11.2	4.1	22	8
6	7.7	11.2	4.3	22	8
5	8.3	11.2	4.8	22	9
4	9.6	11.2	5.3	22	9
3	10.2	11.2	5.8	22	9
2	11.3	12.0	6.8	22	11
1	13.0	12.0	7.8	22	11
0	15.1	13.6	8.2	22	15


### 2425



2425	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
E4	5.4	11.2	3.2	22	7
E5	6.7	11.2	3.2	22	8
E6	7.7	11.2	4.0	22	8
E7	8.3	11.2	4.8	22	9
E8	9.6	11.2	5.6	22	9
E10	11.3	12.0	6.4	22	10

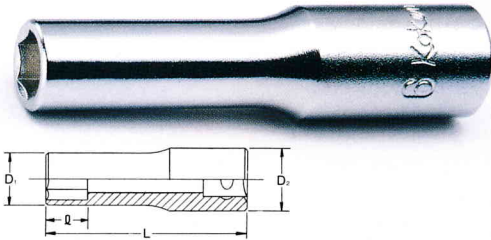
### 2415M/2415A 8-point Sockets



2415M (mm)	2415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
	1/4	11.7	12.0	5.3	22	14
8	5/16	14.3	12.9	6.8	22	17
	3/8	17.4	16.0	8.2	22	26
10		18.0	16.4	8.2	22	27

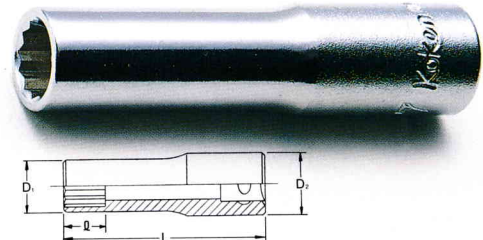
## Sockets

### 2300M/2300A 6-point Deep Sockets



2300M (mm)	2300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
3		5.2	12	4	50	17
	1/8	5.4	12	4	50	17
4		6.8	12	5	50	20
5	3/16	8.0	12	6	50	20
	7/32	8.3	12	6.5	50	20
6		9.3	12	7	50	24
	1/4	9.8	12	7	50	25
7	9/32	10.9	12	8	50	25
8	5/16	11.6	12	9	50	29
9	11/32	13.0	12	10	50	30
10	3/8	14.3	12.8	11	50	34
11	7/16	16.0	14.2	12	50	43
12		17.4	15.5	13	50	50
13	1/2	18.0	16.2	14	50	50
14	9/16	19.0	17.1	16	50	55

### 2305M/2305A 12-point Deep Sockets



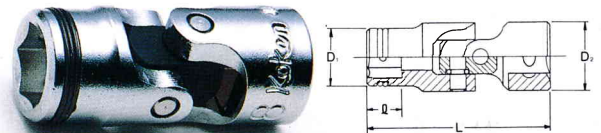
2305M (mm)	2305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
	1/8	5.4	12	4	50	17
4		6.8	12	5	50	23
5	3/16	8.0	12	6	50	23
	7/32	8.3	12	6.5	50	21
6		9.3	12	7	50	24
	1/4	9.8	12	7	50	25
7	9/32	10.9	12	8	50	26
8	5/16	11.6	12	9	50	29
9	11/32	13.0	12	10	50	27
10	3/8	14.3	12.8	11	50	34
11	7/16	16.0	14.2	12	50	40
12		17.4	15.5	13	50	45
13	1/2	18.0	16.2	14	50	53
14	9/16	19.0	17.1	16	50	55

### 2440M/2440A Universal Sockets



2440M (mm)	2440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
4		6.5	13	3.5	31.5	17
5		7.7	13	3.5	31.5	17
6	1/4	9.0	13	4.5	32.5	18
8	5/16	11.3	13	6	33	19
9		13.0	13	6	33	20
10	3/8	14.0	13	7	33	20
11	7/16	15.3	13	8	35	21
12		16.7	13	9	36.5	21
13	1/2	17.5	13	10	38	26
14	9/16	18.6	13	11	39	28

### 2441M Nut Grip Universal Sockets




2441M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
8	12.3	13	5	32	19
10	14.5	13	6	32.5	21
12	16.8	13	7	34	21
13	18.0	13	8	35	21

## Bit Sockets


### 2000



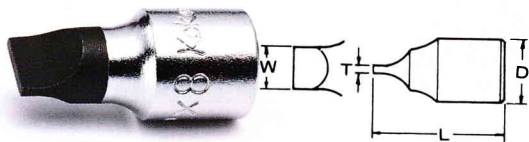
2000	D (mm)	L (mm)	 (g)
1	12	28	10
2	12	28	11
3	12	28	12
4	12	28	14


### 2010M



2010M (mm)	2010A (inch)	D (mm)	l (mm)	L (mm)	 (g)
3	1/8	12	5	25	9
4	5/32	12	5	25	9
5	3/16	12	6	25	10
	7/32	12	6	25	11
6	1/4	12	7	25	12
7	9/32	12	7	25	12
8	5/16	12	7	25	14
10	3/8	12	8	25	17


### 2005



2005	TxW (mm)	D (mm)	L (mm)	 (g)
4	0.8x4.0	12	25	9
5	1.0x5.5	12	25	10
6	1.2x6.5	12	25	10
8	1.2x8.0	12	25	11
9	1.6x8.0	12	25	12
10	1.6x10.0	12	25	13


### 2020 XZN Bit Socket



2020	D (mm)	L (mm)	 (g)
M5	12	32	12
M6	12	32	13
M8	12	32	14

### 2025




2025	D (mm)	L (mm)	 (g)
T10	12	32	10
T15	12	32	10
T20	12	32	11
T25	12	32	11
T27	12	32	12
T30	12	32	12

## Accessories


**2749N** Reversible Ratchet

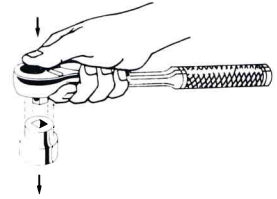


L=125mm  =100g

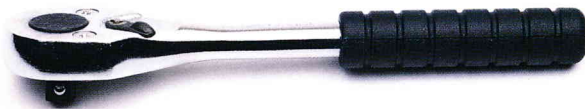
**2749NB** Reversible Ratchet with quick release button




L=125mm  =100g




**2749G** Reversible Ratchet

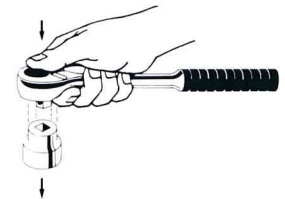


L=125mm  =100g

**2749GB** Reversible Ratchet with quick release button




L=125mm  =100g




**2749P** Reversible Ratchet

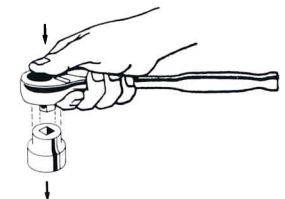


L=125mm  =96g

**2749PB** Reversible Ratchet with quick release button




L=125mm  =96g



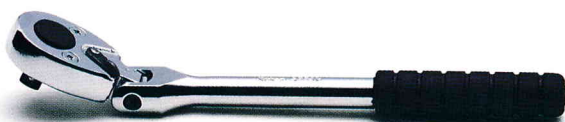
## Accessories


**2752N** Reversible Ratchet



L=125mm  =95g


**2774G** Flexible Ratchet Reversible



L=165mm  =102g


**2752G** Reversible Ratchet



L=125mm  =95g

**2774P** Flexible Ratchet Reversible



L=165mm  =102g



## Accessories

### 2755 Ratchet Adaptor



L=40mm =80g

### 2768N Hinge Handle



L=130mm =84g

### 2760-50/-100/-150/-250/-400/-600 Extension Bar



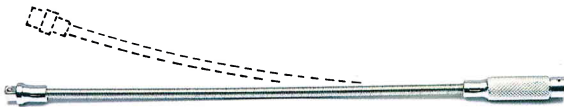
- 2760-50 L=50mm =23g
- 2760-100 L=100mm =44g
- 2760-150 L=150mm =63g
- 2760-250 L=250mm =103g
- 2760-400 L=400mm =160g
- 2760-600 L=600mm =240g

### 2768G Hinge Handle



L=130mm =80g

### 2762 Flexible Extension Bar



L=300mm =90g

### 2768P Hinge Handle



L=130mm =80g

### 2763-28/-50/-75/-100 Offset Extension Bar

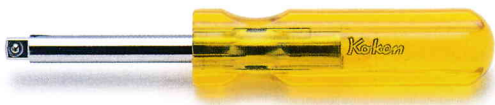



- 2763-28 L=28mm =14g
- 2763-50 L=50mm =23g
- 2763-75 L=75mm =33g
- 2763-100 L=100mm =43g

Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## Accessories


**2769N** Socket Driver



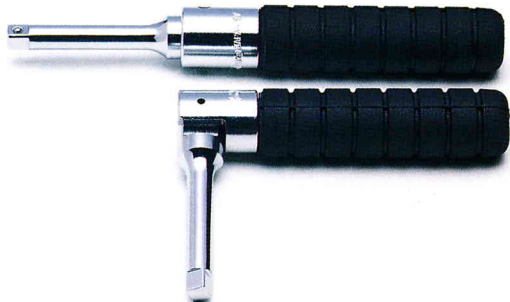
L=140mm =68g

**2769F** Socket Driver



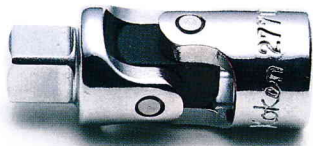
凸1/4"×凹1/4" L=150mm =90g


**2769H** Folding Socket Driver



L=160mm =180g


**2770** Universal Joint



L=33mm =20g


**2780** Speed Handle



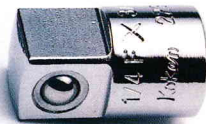
L=350mm =250g


**2785** T-Handle



L=115mm =36g

**2233A** Adaptor





凹1/4"×凸3/8" L=22mm =16g

Socket Sets

2203M/2203A




2203M:12 Pieces Set  =550g	
Sockets	Accessories
2400M-6 point sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	2769H (Folding Socket Driver)
METAL CASE:165×110×25mm	

2203A:10 Pieces Set  =550g	
Sockets	Accessories
2400A-6 point sockets: 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2769H (Folding Socket Driver)
METAL CASE:165×110×25mm	

2262M

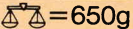


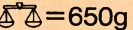
2262M:13 Pieces Set  =470g	
Sockets	Accessories
2400M-6 point sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2760-50 (Extension Bar) 2768N (Hinge Handle)
METAL CASE:160×100×28mm	

## Socket Sets

### 2272M/2272A




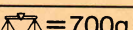
2272M:15 Pieces Set  =650g	
Sockets	Accessories
2400M-6 point sockets: 5, 6, 7, 8, 9, 10, 11, 12	2749N (Reversible Ratchet) 2760-100 (Extension Bar) 2769N (Socket Driver)
2415M-8 point sockets: 8, 10	2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:160×100×28mm	

2272A:15 Pieces Set  =650g	
Sockets	Accessories
2400A-6 point sockets: 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16	2749N (Reversible Ratchet) 2760-100 (Extension Bar) 2769N (Socket Driver)
2415A-8 point sockets: 1/4, 5/16, 3/8	2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:160×100×28mm	

### 2250M/2250A



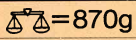
2250M:16 Pieces Set  =700g	
Sockets	Accessories
2400M-6 point sockets: 5, 6, 7, 8, 9, 10, 11, 12	2749N (Reversible Ratchet) 2760-50 (Extension Bar) 2760-150 (Extension Bar)
2415M-8 point sockets: 8, 10	2768N (Hinge Handle) 2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:160×100×28mm	

2250A:16 Pieces Set  =700g	
Sockets	Accessories
2400A-6 point sockets: 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16	2749N (Reversible Ratchet) 2760-50 (Extension Bar) 2760-150 (Extension Bar)
2415A-8 point sockets: 1/4, 5/16, 3/8	2768N (Hinge Handle) 2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:160×100×28mm	

## Socket Sets

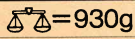
### 2201AM



2201AM:25 Pieces Set  =870g	
Sockets	Accessories
2400M-6 point sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	2749N (Reversible Ratchet) 2760-100 (Extension Bar) 2769N (Socket Driver)
2400A-6 point sockets: 3/16, 7/32, 1/4 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:240×100×32mm	

### 2255M




2255M:31 Pieces Set  =930g	
Sockets	Accessories
2400M-6 point sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	2749N (Reversible Ratchet) 2760-100 (Extension Bar) 2769N (Socket Driver)
2000-Philips 1, 2, 3, 4	2770 (Universal Joint)
2005-Flat 4, 5, 6, 8, 9	2785 (T-Handle)
2010M-Hex sockets 3, 4, 5, 6, 8, 10	
METAL CASE:240×100×30mm	

Socket Sets

2257M

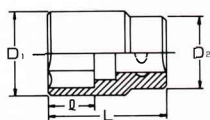



2257M:31 Pieces Set  =930g	
Sockets	Accessories
2400M-6 point sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2749N (Reversible Ratchet)
2000 -Philips 1, 2, 3, 4	2760-100 (Extension Bar)
2005 -Flat 4, 5, 6, 8, 9	2769N (Socket Driver)
2010M-Hex sockets 3, 4, 5, 6, 8, 10	2770 (Universal Joint)
	2785 (T-Handle)
METAL CASE:240 X100 X 32mm	



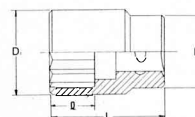
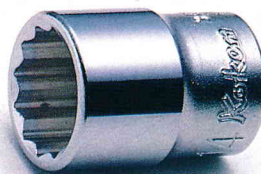
## Sockets


### 3400M/3400A 6-point Sockets



3400M (mm)	3400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
6	1/4	9.9	17.3	4	26	20
7		10.6	17.3	4	26	20
8	5/16	11.8	17.3	5	26	22
	11/32	12.3	17.3	5	26	23
9		13.2	17.3	5	26	23
	3/8	13.7	17.3	5	26	23
10		14.5	17.2	6	26	24
11	7/16	15.7	17.2	7	26	25
12		16.8	17.2	8	26	25
13	1/2	18.0	17.0	8	26	24
14	9/16	20.0	18.0	10	27	31
15	19/32	21.0	20.0	10	27	39
16	5/8	22.0	20.0	10	27	42
17		23.6	22.0	10	28	51
	11/16	24.0	22.0	10	28	51
18		24.0	22.0	12	29	51
19	3/4	26.0	24.0	12	29	63
20	25/32	27.3	26.0	12	30	75
21	13/16	28.0	26.0	12	31	77
22	7/8	30.0	27.0	14	31	82
23		31.5	29.0	14	32	95
24	15/16	32.0	30.0	14	33	102

### 3405M/3405A 12-point Sockets



3405M (mm)	3405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
6	1/4	9.9	17.3	4	26	20
7		10.6	17.3	4	26	20
8	5/16	11.8	17.3	5	26	20
	11/32	12.3	17.3	5	26	23
9		13.2	17.3	5	26	23
	3/8	13.7	17.3	5	26	23
10		14.5	17.2	6	26	24
11	7/16	15.7	17.2	7	26	25
12		16.8	17.2	8	26	25
13	1/2	18.0	17.0	8	26	24
14	9/16	20.0	18.0	10	27	31
15	19/32	21.0	20.0	10	27	38
16	5/8	22.0	20.0	10	27	40
17		23.6	22.0	10	28	50
	11/16	24.0	22.0	10	28	50
18		24.0	22.0	12	29	50
19	3/4	26.0	24.0	12	29	62
20	25/32	27.3	26.0	12	30	75
21	13/16	28.0	26.0	12	31	77
22	7/8	30.0	27.0	14	31	85
23		31.5	29.0	14	32	95
24	15/16	32.0	30.0	14	33	100

## Sockets

### 3405W Whitworth 12-point Sockets



3405W	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
1/8	12.3	17.3	5	26	22
3/16	15.7	17.2	7	26	25
1/4	18.0	17.0	8	26	24
5/16	21.0	20.0	10	27	39
3/8	24.0	22.0	12	29	51
7/16	28.0	26.0	12	31	81
1/2	31.5	29.0	14	32	103
9/16	34.0	31.0	14	34	128

### 3425



3425	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E4	5.6	17.3	4.2	26	18
E5	6.9	17.3	4.2	26	20
E6	7.9	17.3	5	26	21
E7	8.9	17.3	5.8	26	22
E8	9.9	17.3	6.6	26	23
E10	11.8	17.3	7.4	26	24
E11	13.2	17.3	8.2	26	25
E12	14.5	17.2	9	26	26
E14	15.7	17.2	9.8	26	27
E16	18.0	17.0	10.6	26	27

### 3415A 8-point Sockets



3415A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
1/4	11.8	17.3	6	26	24
5/16	14.5	17.2	7	26	26
11/32	15.7	17.2	7.5	26	27
3/8	16.8	17.2	8	26	27
7/16	20.0	18.0	8.5	27	37
1/2	22.0	20.0	9.5	27	46

### 3450M Nut Grip Sockets



3450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
8	12.3	17.2	5	26	21
10	14.5	17.2	6	26	24
11	15.7	17.2	6.5	26	26
12	16.8	17.2	7	26	26
13	18.0	17.0	8	26	28
14	20.0	18.0	8.5	27	34
15	21.0	20.0	9	27	42
17	23.6	22.0	9.5	28	52
19	26.0	24.0	11.5	29	66
21	28.0	26.0	12	29	85
22	30.0	27.0	12.5	29	90
24	32.0	30.0	14.5	31	102

## Sockets

### 3300M/3300A 6-point Deep Sockets



3300M3300A (mm)	(inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
6	1/4	9.9	17.3	6	55	45
7		10.6	17.3	7	55	44
8	5/16	12.0	17.3	8	55	45
9		13.0	17.3	9	55	47
	3/8	14.0	17.3	10	55	49
10		14.5	17.3	10	55	52
11	7/16	16.0	17.3	11	55	55
12		16.8	17.2	12	55	58
13	1/2	18.0	17.0	13	55	57
14	9/16	20.0	18.0	15	55	68
15		21.0	20.0	15	55	78
16	5/8	22.0	20.0	16	55	79
17	11/16	23.5	22.0	17	55	96
18		24.5	23.0	18	55	96
19	3/4	25.0	24.0	19	55	102
21	13/16	27.0	26.0	21	65	140
22	7/8	29.0	28.0	22	65	166
23		30.0	29.0	23	65	185
24	15/16	31.0	30.0	24	65	193

### 3305M/3305A 12-point Deep Sockets

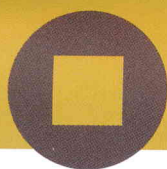


3305M3305A (mm)	(inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
6	1/4	9.9	17.3	6	55	44
7		10.6	17.3	7	55	44
8	5/16	12.0	17.3	8	55	44
9		13.0	17.3	9	55	45
	3/8	14.0	17.3	10	55	46
10		14.5	17.3	10	55	49
11	7/16	16.0	17.3	11	55	55
12		16.8	17.2	12	55	57
13	1/2	18.0	17.0	13	55	56
14	9/16	20.0	18.0	15	55	67
15		21.0	20.0	15	55	79
16	5/8	22.0	20.0	16	55	78
17	11/16	23.5	22.0	17	55	93
18		24.5	23.0	18	55	97
19	3/4	25.0	24.0	19	55	102
21	13/16	27.0	26.0	21	65	134
22	7/8	29.0	28.0	22	65	158
23		30.0	29.0	23	65	176
24	15/16	31.0	30.0	24	65	190

### 3325

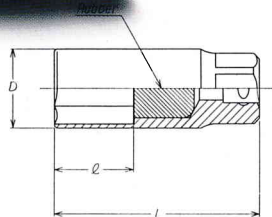


3325	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E4	5.6	17.3	4.2	55	36
E5	6.9	17.3	4.2	55	38
E6	7.9	17.3	5.0	55	40
E7	8.9	17.3	5.8	55	42
E8	9.9	17.3	6.6	55	44
E10	11.8	17.3	7.4	55	48
E12	14.5	17.2	9.0	55	54
E14	15.7	17.2	9.8	55	59
E16	18.0	17.0	10.6	55	66



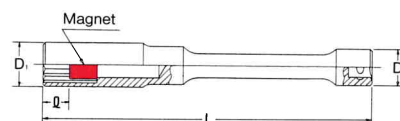
## Sockets

### 3300S Spark Plug Sockets (with Rubber)



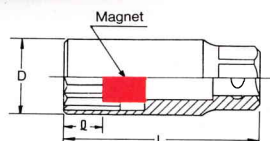
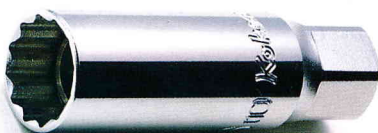
3300S (mm)	D (mm)	l (mm)	L (mm)	(g)
16	22.0	19	70	101
18	24.0	21	70	105
20.8	27.3	27	70	130

### 3305P-180 Spark Plug Sockets (with Magnet)



3305P-180 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	(g)
16	21.0	18	10	180	220
20.8	26.9	18	10	180	260

### 3305P Spark Plug Sockets (with Magnet)

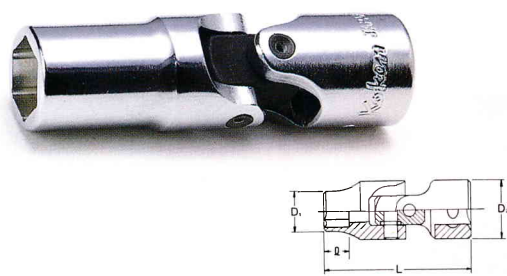



3305P (mm)	D (mm)	l (mm)	L (mm)	(g)
16	21.0	10	70	91
18	24.0	10	70	140
20.8	26.9	10	70	132

Sockets


3340G

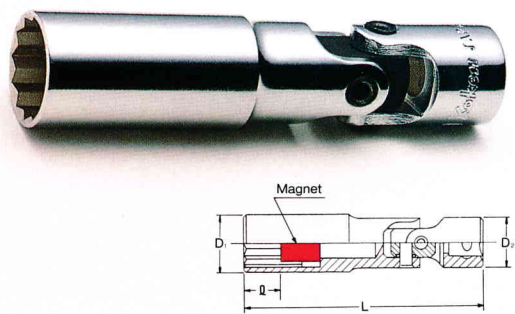
Glow Plug Sockets (DB 190D)




3340G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)
12	17.0	19	65	80


3345P

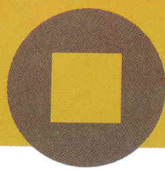
Universal Spark Plug Sockets (with Magnet)



3345P (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
16	21.0	19	9	91	121

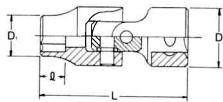


# 3/8"



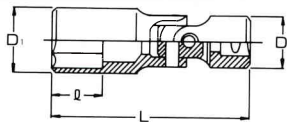
## Sockets

### 3440M/3440A Universal Sockets



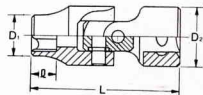
3440M/3440A (mm)	(inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
8	5/16	11.8	19	6	48	50
9		13.2	19	6	48	50
	3/8	13.7	19	6	48	50
10		14.5	19	7	49	64
11	7/16	15.7	19	8	50	66
12		16.8	19	9	51	67
13	1/2	18.0	19	9	51	68
14	9/16	20.0	19	11	55	69
15		21.0	19	11	55	70
16	5/8	22.0	19	11	55	77
17		23.6	19	11	55	72
18	11/16	24.0	19	13	57	80
19	3/4	26.0	19	13	57	84

### 3340M-75 Deep Length Universal Sockets



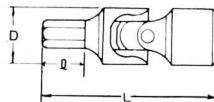
3340M-75 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
8	11.8	19	9	75	82
10	14.5	19	11	75	87
11	15.7	19	12	75	85
12	16.8	19	13	75	92
13	18.0	19	14	75	93
14	20.0	19	15	75	103
15	21.0	19	16	75	104
17	23.6	19	18	75	115
19	26.0	19	20	75	123

### 3440T



3440T	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E8	9.9	19	6.6	48	65
E10	11.8	19	7.4	49	63
E12	14.5	19	9.0	51	68
E14	15.7	19	9.8	52	68

### 3430M Universal Hex Sockets



3430M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)
5	19	15	62	66
6	19	15	62	70
7	19	15	62	72
8	19	15	62	74
10	19	15	62	78
12	19	15	62	85

## Bit Sockets

### ⊕ 3000



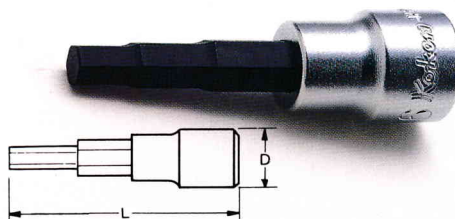
3000	D (mm)	L (mm)	(g)
2	18	60	49
3	18	60	49
4	18	60	50

### ⊖ 3005



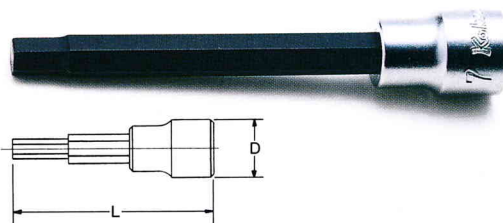
3005	TxW (mm)	D (mm)	L (mm)	(g)
5	1x5.5	18	60	47
8	1.2x8	18	60	49
10	1.6x10	20	60	85

### ⊙ 3010M-62



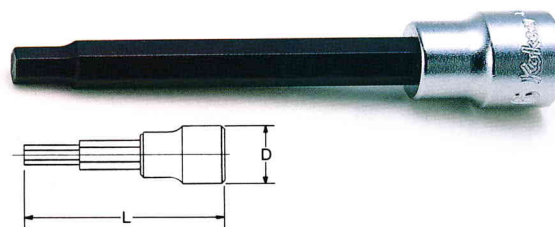
3010M-62 (mm)	D (mm)	L (mm)	(g)
4	18	62	45
5	18	62	48
6	18	62	49
7	18	62	50
8	18	62	52
10	20	62	76
12	20	62	94

### ⊙ 3010M-100



3010M-100 (mm)	D (mm)	L (mm)	(g)
4	18	100	60
5	18	100	63
6	18	100	64
7	18	100	66
8	18	100	69
10	20	100	102
12	20	100	131

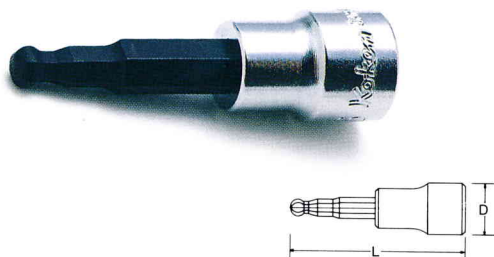
### ⊙ 3010M-160



3010M-160 (mm)	D (mm)	L (mm)	(g)
6	18	160	90

## Bit Sockets

### 3011M-62/100 ☒ With Ballpoint

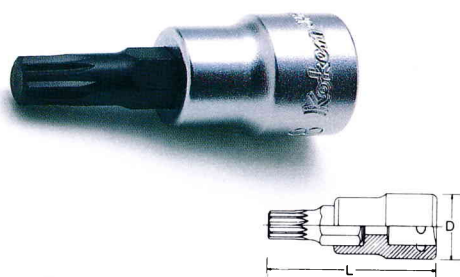


3011M-62 (mm)	D (mm)	L (mm)	(g)
3	18	62	45
4	18	62	46
5	18	62	48
6	18	62	49
7	18	62	50
8	18	62	51

3011M-100 (mm)	D (mm)	L (mm)	(g)
6	18	100	66
7	18	100	67
8	18	100	68

### 3020-50/100 XZN Bit Sockets

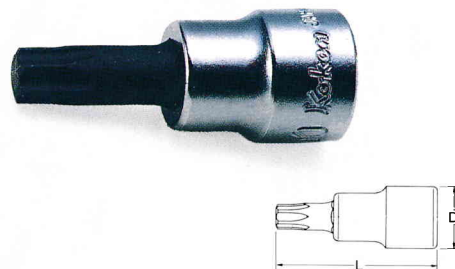


3020-50	D (mm)	L (mm)	(g)
M5	18	50	37
M6	18	50	39
M8	18	50	40
M10	20	50	65
M12	20	50	69

3020-100	D (mm)	L (mm)	(g)
M8	18	100	62
M10	20	100	99

### 3025-50/140



3025-50	D (mm)	L (mm)	(g)
T10	18	50	36
T15	18	50	36
T20	18	50	36
T25	18	50	37
T27	18	50	37
T30	18	50	38
T40	18	50	39
T45	18	50	41
T50	20	50	55
T55	20	50	67


3025-140	D (mm)	L (mm)	(g)
T25	18	140	76
T27	18	140	76
T30	18	140	77
T40	18	140	78
T45	18	140	80
T50	20	140	116
T55	20	140	155

Items in this catalogue marked ☒ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## Bit Sockets


### ⊕ 3001



3001	D (mm)	L (mm)	 (g)
2	18	60	38
3	18	60	38
4	18	60	38


### ⊖ 3006



3006	T x W (mm)	D (mm)	L (mm)	 (g)
5	1 x 5.5	18	60	35
8	1.2 x 8	18	60	42
10	1.6 x 10	18	60	50


### ⦿ 3012M-52/3012A-52



3012M-52 (mm)	3012A-52 (inch)	D (mm)	ℓ (mm)	L (mm)	 (g)
3	1/8	18	10.0	52	35
4	5/32	18	15.5	52	38
5	3/16	18	15.5	52	40
6	7/32	18	15.5	52	42
	1/4	18	15.5	52	44
7	9/32	18	15.5	52	46
8	5/16	19	15.5	52	50
9	11/32	19	15.5	52	55
	3/8	20	15.5	52	65
10		20	15.5	52	66
11	7/16	20	15.5	52	72
12		20	15.5	52	77


### ⦿ 3012M-62/3012A-62

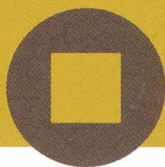


3012M-62 (mm)	3012A-62 (inch)	D (mm)	ℓ (mm)	L (mm)	 (g)
3	1/8	18	10.0	62	38
4	5/32	18	15.5	62	40
5	3/16	18	15.5	62	43
6	7/32	18	15.5	62	46
	1/4	18	15.5	62	48
8	5/16	19	15.5	62	58
	3/8	20	15.5	62	73
10		20	15.5	62	77
12		20	15.5	62	90

### ⦿ 3012M-75



3012M-75 (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)
4	18	15.5	75	43
5	18	15.5	75	48
6	18	15.5	75	53
8	19	15.5	75	69
9	19	15.5	75	72
10	20	15.5	75	92
12	20	15.5	75	110



## Accessories

**2749P-3/8** Reversible Ratchet

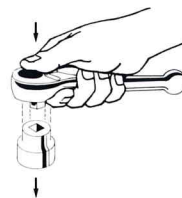


L=125mm =101g

**3749SB** Reversible Ratchet Short with quick release button



L=110mm =183g



**3749S** Reversible Ratchet Short

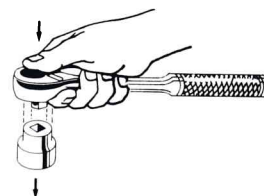


L=110mm =183g

**3749NB** Reversible Ratchet with quick release button



L=175mm =270g



**3749N** Reversible Ratchet

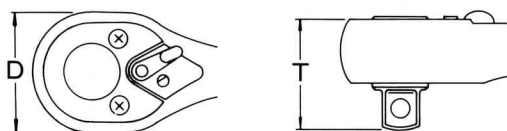


L=175mm =270g

**3752N** Reversible Ratchet



L=200mm =310g



TYPE	D(mm)	T(mm)
2749	25	21.2
3749	34	24.5

**3752G** Reversible Ratchet




L=200mm =310g

Accessories


3753N Reversible Ratchet

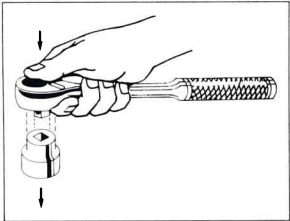


L=175mm  =246g

3753NB Reversible Ratchet with quick release button



L=175mm  =246g




3753G Reversible Ratchet

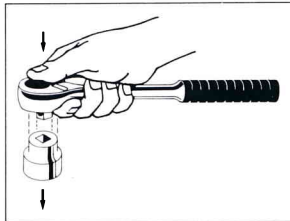


L=200mm  =250g

3753GB Reversible Ratchet with quick release button




L=200mm  =270g




3753P Reversible Ratchet

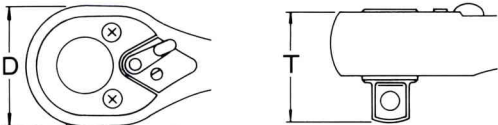
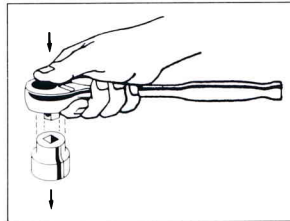


L=175mm  =265g

3753PB Reversible Ratchet with quick release button

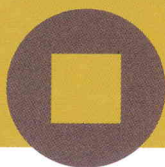


L=175mm  =265g



TYPE	D(mm)	T(mm)
3753	31.5	29

# 3/8"



## Accessories


**3774N** Flexible Ratchet Reversible



L=265mm  =378g


**3775N** Flexible Ratchet Reversible



L=260mm  =374g


**3774G** Flexible Ratchet Reversible



L=280mm  =335g


**3775G** Flexible Ratchet Reversible

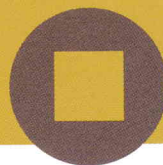


L=275mm  =350g

**3774P** Flexible Ratchet Reversible



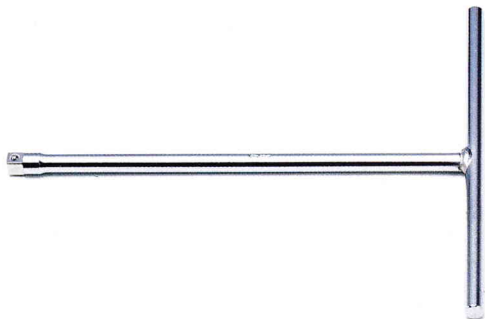
L=265mm  =373g




# 3/8"

## Accessories

### 3715 T-Handle



L=268mm  =378g







### 3755 Ratchet Adaptor



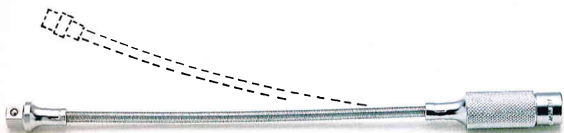
L=55mm  =187g


### 3760-32/-75/-125/-250/-400/-600 Extension Bar



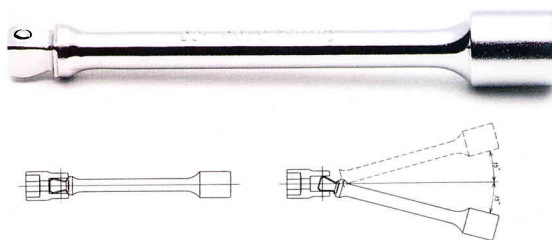
- 3760-32 L=32mm  =32g
- 3760-75 L=75mm  =78g
- 3760-125 L=125mm  =125g
- 3760-250 L=250mm  =230g
- 3760-400 L=400mm  =365g
- 3760-600 L=600mm  =538g





### 3762 Flexible Extension Bar



L=300mm  =90g


### 3763-32/-75/-125/-250 Offset Extension Bar



- 3763-32 L=32mm  =31g
- 3763-75 L=75mm  =57g
- 3763-125 L=125mm  =83g
- 3763-250 L=250mm  =96g


### 3768N-250 Hinge Handle



L=250mm  =290g


### 3768G-250 Hinge Handle



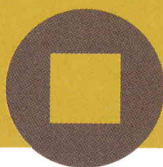
L=250mm  =219g

### 3768P-250 Hinge Handle



L=250mm  =275g

Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



## Accessories

**3769** Socket Driver



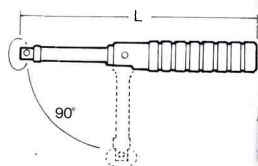
L=130mm =109g

**3780** Speed Handle



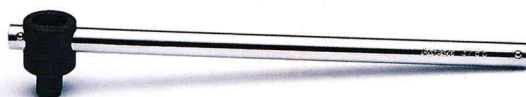
L=400mm =432g

**3769H** Folding Socket Driver



L=170mm =210g

**3785** T-Handle



L=200mm =157g

**3322A** Adaptor



凹3/8"×凸1/4" L=24mm =18g

**3770** Universal Joint



L=52mm =66g

**3344A** Adaptor




凹3/8"×凸1/2" L=30mm =35g

Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## Socket Sets


### 3220M



3220M:14 Pieces Set  = 2,270g	
Sockets	Accessories
3405M-12 point sockets: 8, 9, 10, 11, 12, 13 14, 17, 19, 21, 22	3753N (Reversible Ratchet) 3760-125 (Extension Bar) 3768N-250 (Hinge Handle)
METAL CASE:415×120×50mm	


### A3206M




A3206M:21 Pieces Set		 = 3,500g
Sockets		Accessories
3400M-6 point sockets: 6, 7, 8, 9, 10, 11, 12	3753N (Reversible Ratchet) 3760-125 (Extension Bar) 3760-250 (Extension Bar) 3768N-250 (Hinge Handle) 3785 (T-Handle)	
3405M-12 point sockets: 13, 14, 15, 16, 17, 18 19, 21, 22		
METAL CASE:438×168×54mm		

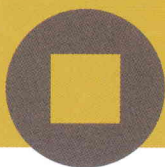
### 3206M/3206A



3206M:21 Pieces Set		 = 2,100g
Sockets		Accessories
3400M-6 point sockets: 6, 7, 8, 9, 10, 11, 12		3753N (Reversible Ratchet)
		3760-125 (Extension Bar)
3405M-12 point sockets: 13, 14, 15, 16, 17, 18, 19, 21, 22		3760-250 (Extension Bar)
		3768N-250 (Hinge Handle)
		3785 (T-Handle)
METAL CASE:400×95×50mm		

3206A:17 Pieces Set		 = 2,000g
Sockets		Accessories
3400A-6 point sockets: 1/4, 5/16, 11/32 3/8, 7/16	3753N (Reversible Ratchet) 3760-125 (Extension Bar) 3760-250 (Extension Bar) 3768N-250 (Hinge Handle) 3785 (T-Handle)	
3405A-12 point sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8		
METAL CASE:400×95×50mm		


# 3/8"



## Socket Sets


### 3210M

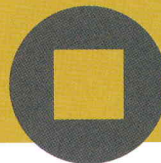


3210M:22 Pieces Set  =2,900g	
Sockets	Accessories
3400M-6 point sockets: 6, 7, 8, 9, 10, 11, 12	3753N (Reversible Ratchet)
3405M-12 point sockets: 13, 14, 15, 16, 17, 18 19, 21, 22	3760-125 (Extension Bar)
	3760-250 (Extension Bar)
	3768N-250 (Hinge Handle)
	3770 (Universal Joint)
	3785 (T-Handle)
METAL CASE:370×155×50mm	

### 3206AM



3206AM:27 Pieces Set  =3,500g	
Sockets	Accessories
3405M-12 point sockets: 7, 8, 10, 11, 12, 13, 14, 15, 16, 18, 19, 22	3753N (Reversible Ratchet)
3405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125 (Extension Bar)
3305P-Spark Plug Sockets: 20.8	3760-250 (Extension Bar)
	3768N-250 (Hinge Handle)
	3770 (Universal Joint)
METAL CASE:445×190×50mm	



# 3/8"

## Socket Sets

### 3217M



**3217M:14 Pieces Set** = 850g

Sockets 3405M-12 point sockets:  
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22

METAL CASE:163×52×33mm

### 3222M

Universal Hex Socket Set



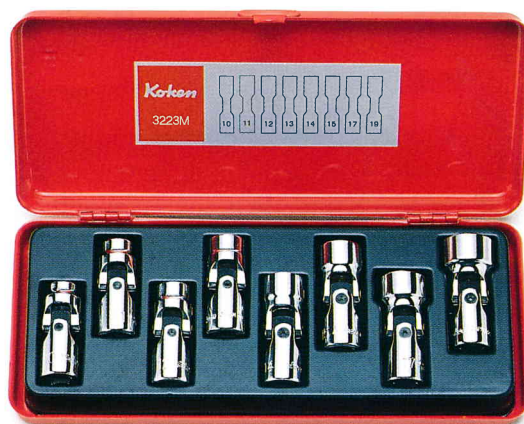
**3222M:5 Pieces Set** = 610g

Sockets 3430M-Universal Hex Sockets:  
5, 6, 7, 8, 10

METAL CASE:165×110×25mm

### 3223M

Universal Socket Set



**3223M:8 Pieces Set** = 925g

Sockets 3440M-Universal Sockets:  
10, 11, 12, 13, 14, 15, 17, 19

METAL CASE:165×110×25mm

### 3240M/3240A



**3240M:177 Pieces Set** = 9,500g

3400M	12mm:12Pcs.	18mm:8Pcs.
6mm:12Pcs.	3405M	19mm:8Pcs.
7mm:12Pcs.	13mm:11Pcs.	20mm:7Pcs.
8mm:12Pcs.	14mm:11Pcs.	21mm:7Pcs.
9mm:12Pcs.	15mm:10Pcs.	22mm:7Pcs.
10mm:12Pcs.	16mm:9Pcs.	23mm:6Pcs.
11mm:12Pcs.	17mm:9Pcs.	

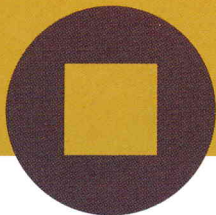
METAL CASE:510×150×230mm

**3240A:126 Pieces Set** = 9,200g

3400A	3405A	11/16" :9 Pcs.
1/4" :12Pcs.	1/2" :11Pcs.	3/4" :8 Pcs.
5/16" :12Pcs.	9/16" :10Pcs.	25/32" :7 Pcs.
3/8" :12Pcs.	19/32" :10Pcs.	11/16" :7 Pcs.
7/16" :12 Pcs.	5/8" :9Pcs.	7/8" :7 Pcs.

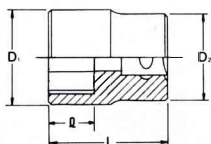
METAL CASE:510×150×230mm

# 1/2"



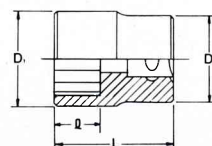
## Sockets

### 4400M/4400A 6-point Sockets



4400M (mm)	4400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	⚖ (g)
8	5/16	13.2	21	8	36	44
9		13.7	21	8.5	37	44
	3/8	14.5	21	9	37	45
10		15.0	21	9	37	45
11	7/16	16.3	21	9.5	37	46
12		17.6	21	10	37	47
13	1/2	18.8	22	10.5	37	53
14	9/16	20.4	22	11	37	56
15	19/32	21.7	21	11.5	37	52
16	5/8	22.9	22	12	37	62
17	21/32	24.0	23	12.5	37	69
	11/16	24.0	23	12.5	37	67
18		25.0	24	13	37	74
19	3/4	26.8	26	14	38	89
20	25/32	28.0	26	15	38	92
	13/16	28.0	26	15.5	38	93
21		29.5	27	15.5	38	102
22	7/8	30.0	28	16	40	113
23		31.5	29	16.5	40	128
24	15/16	32.0	30	17	42	140
25		34.0	32	18	42	164
26	1	35.0	32	19	42	165
27	1-1/16	37.0	34	19.5	43	196
28		38.0	34	20	43	198
29	1-1/8	38.0	34	20.5	43	190
30	1-3/16	40.0	36	22	46	222
31		42.0	38	22.5	46	257
32	1-1/4	42.0	38	23	46	250

### 4405M/4405A 12-point Sockets

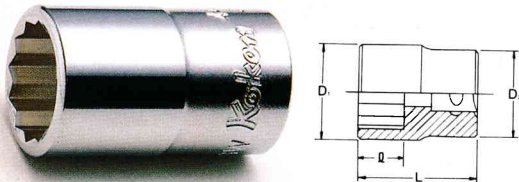


4405M (mm)	4405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	⚖ (g)
8	5/16	13.2	21	8	36	44
9		13.7	21	8.5	37	44
	3/8	14.5	21	9	37	44
10		15.0	21	9	37	44
11	7/16	16.3	21	9.5	37	45
12		17.6	21	10	37	45
13	1/2	18.8	22	10.5	37	52
14	9/16	20.4	22	11	37	55
15	19/32	21.7	21	11.5	37	52
16	5/8	22.9	22	12	37	60
17	21/32	24.0	23	12.5	37	66
	11/16	24.0	23	12.5	37	66
18		25.0	24	13	37	73
19	3/4	26.8	26	14	38	86
20	25/32	28.0	26	15	38	87
	13/16	28.0	26	15.5	38	87
21		29.5	27	15.5	38	98
22	7/8	30.0	28	16	40	110
23		31.5	29	16.5	40	120
24	15/16	32.0	30	17	42	138
25		34.0	32	18	42	158
26	1	35.0	32	19	42	158
27	1-1/16	37.0	34	19.5	43	190
28		38.0	34	20	43	190
29	1-1/8	38.0	34	20.5	43	174
30	1-3/16	40.0	36	22	46	227
31		42.0	38	22.5	46	255
32	1-1/4	42.0	38	23	46	240

## Sockets

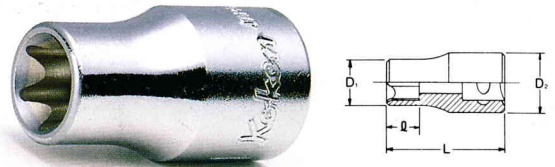
4405W

Whitworth 12-point Sockets



4405W	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
1/8	13.5	21	8	37	43
3/16	16.3	21	9.5	37	46
1/4	19.4	22	10.5	37	54
5/16	21.7	21	11.5	37	53
3/8	25.0	24	13	37	73
7/16	28.0	26	15.5	38	87
1/2	32.0	30	16.5	40	133
9/16	35.0	32	19	42	160
5/8	38.0	34	20	43	191
11/16	40.0	36	22	46	220
3/4	43.0	40	24	47	270
13/16	46.0	42	24	47	295
7/8	49.0	47	24	47	370

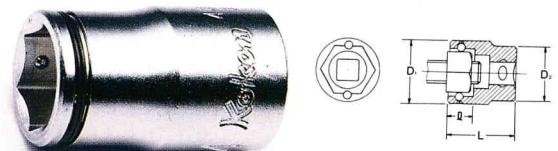
4425



4425	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E10	13.2	21	7.4	36	44
E11	13.7	21	8.2	37	45
E12	15.0	21	9.0	37	47
E14	16.3	21	9.8	37	48
E16	18.8	22	10.6	37	57
E18	20.4	22	12.1	37	57
E20	22.9	22	13.7	37	63
E24	26.8	26	16.9	40	92

4450M

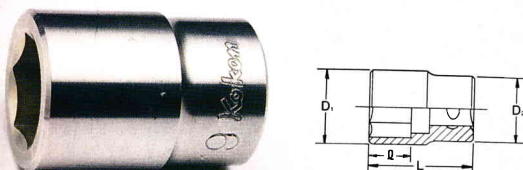
Nut Grip Sockets



4450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
10	15.0	21	6	36	44
11	16.3	21	6.5	36	46
12	17.6	21	7	36	46
13	18.8	22	8	36	52
14	20.4	22	8.5	36	54
15	21.7	21	9	36	52
17	24.0	23	9.5	36	68
19	26.8	26	11.5	36	85
21	29.5	27	12	37	110
22	30.0	28	12.5	37	105
24	32.0	30	14.5	39	130
27	37.0	34	16.5	40	139

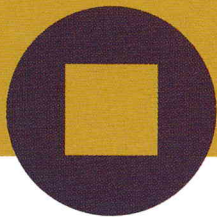
AL4400M

Aluminium Wheel Nut Sockets



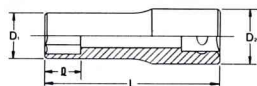
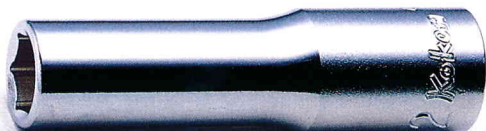
AL4400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
17	29.5	27	21	43	52
19	31.0	29	24	45	58

# 1/2"



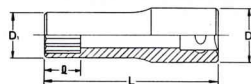
## Sockets

### 4300M/4300A 6-point Deep Sockets



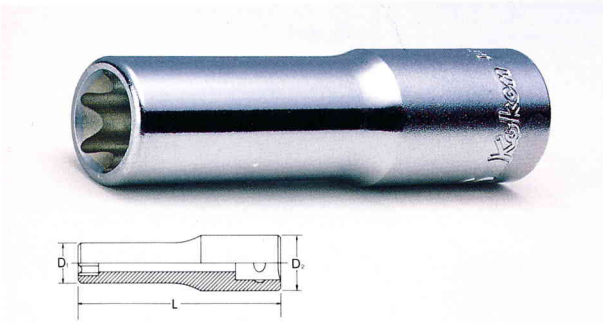
4300M (mm)	4300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
8	5/16	13.2	21	9	77	99
9		14.0	21	10	77	99
	3/8	14.7	21	10	77	99
10		15.2	21	11	77	96
11	7/16	16.3	21	12	77	103
12		17.7	21	13	77	105
13	1/2	18.7	21	14	77	107
14	9/16	20.4	21	15	77	118
15	19/32	21.3	22	16	77	123
16	5/8	22.9	22	17	77	141
17	21/32	24.0	23	18	77	150
	11/16	24.0	23	18	77	146
18		25.0	24	19	77	164
19	3/4	26.9	26	20	77	177
20	25/32	28.0	26	21	77	178
21	13/16	28.5	27	23	77	187
22	7/8	30.0	27	27	77	202
23		31.5	30	27	77	245
24	15/16	32.0	30	27	77	252
25		34.0	32	27	77	301
26	1	35.0	32.5	27	77	311
27	1-1/16	36.5	34	28	77	345
28	1-1/8	38.0	34	28	77	363
29		39.2	36	28	77	391
30	1-3/16	40.0	36	34	77	363
31		42.0	38	34	77	420
32	1-1/4	42.0	38	34	77	410

### 4305M/4305A 12-point Deep Sockets



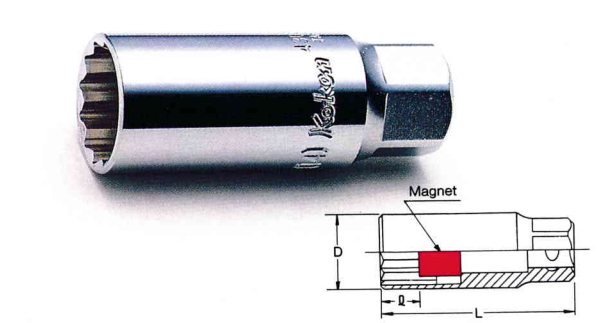
4305M (mm)	4305A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
8	5/16	13.2	21	9	77	98
9		14.0	21	10	77	98
	3/8	14.7	21	10	77	99
10		15.2	21	11	77	95
11	7/16	16.3	21	12	77	100
12		17.7	21	13	77	103
13	1/2	18.7	21	14	77	106
14	9/16	20.4	21	15	77	116
15	19/32	21.3	22	16	77	121
16	5/8	22.9	22	17	77	138
17	21/32	24.0	23	18	77	145
	11/16	24.0	23	18	77	149
18		25.0	24	19	77	164
19	3/4	26.9	26	20	77	175
20	25/32	28.0	26	21	77	178
21	13/16	28.5	27	23	77	182
22	7/8	30.0	27	27	77	198
23		31.5	30	27	77	238
24	15/16	32.0	30	27	77	245
25		34.0	32	27	77	285
26	1	35.0	32.5	27	77	300
27	1-1/16	36.5	34	28	77	340
28	1-1/8	38.0	34	28	77	345
29		39.2	36	28	77	370
30	1-3/16	40.0	36	34	77	350
31		42.0	38	34	77	415
32	1-1/4	42.0	38	34	77	395

✱
4325



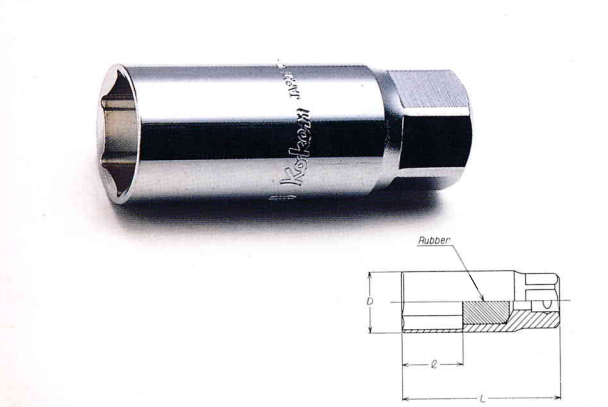
4325	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	⚖ (g)
E10	13.2	21	7.4	77	98
E12	15.2	21	9.0	77	101
E14	16.3	21	9.8	77	107
E16	18.8	22	10.6	77	117
E18	20.4	22	12.1	77	143
E20	22.9	22	13.7	77	153

○
4305P
 Spark Plug Sockets (with Magnet)



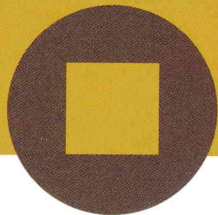
4305P (mm)	D (mm)	ℓ (mm)	L (mm)	⚖ (g)
16	21.0	10	70	101
18	24.0	10	70	132
20.8	26.9	10	70	130

○
4300S
 Spark Plug Sockets (with Rubber)



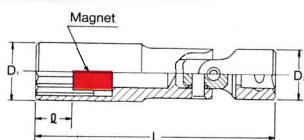
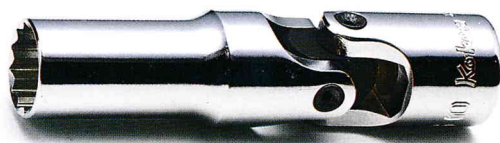
4300S (mm)	D (mm)	ℓ (mm)	L (mm)	⚖ (g)
16	22.0	19	70	118
18	24.0	21	70	126
20.8	27.3	27	70	135

# 1/2"



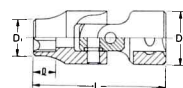
## Sockets

### 4345P Universal Spark Plug Sockets (with Magnet)



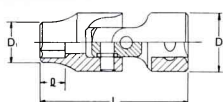
4345P (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
16	21.0	25	10	106	220
20.8	26.9	25	10	106	250

### 4440T



4440T	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E10	13.2	25	7.4	66	145
E12	15.0	25	9.0	68	147
E14	16.3	25	9.8	69	148
E16	18.8	25	10.6	69.5	150

### 4440M/4440A Universal Sockets



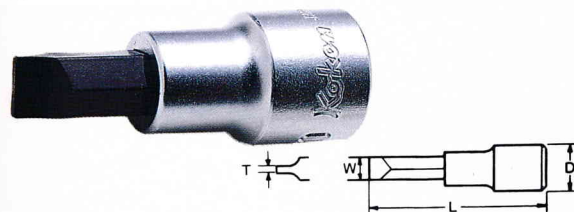
4440M	4440A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
9		13.9	25	7	66	150
	3/8	14.5	25	8	66	155
10		15.0	25	8	67	155
11	7/16	16.3	25	8	67	158
12		17.6	25	9	68	151
13	1/2	18.8	25	9	68	152
14	9/16	20.4	25	11	70	151
15		21.7	25	11	70	149
16	5/8	22.9	25	11	70	150
17		24.0	25	11	70	150
	11/16	24.0	25	11	70	153
18		25.0	25	13	72	150
19	3/4	26.8	25	13	73	170
21		29.5	25	15	75	176
22	7/8	30.0	25	15	75	185

### ⊕ 4000



4000	D (mm)	L (mm)	(g)
2	22	60	65
3	22	60	65
4	22	60	67

### ⊖ 4005



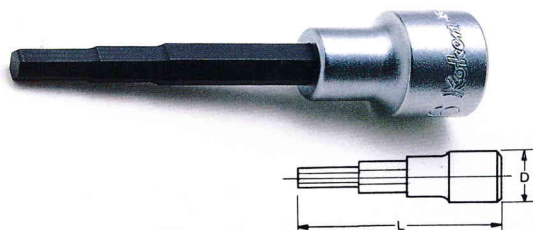
4005	T×W (mm)	D (mm)	L (mm)	(g)
8	1.2×8	22	60	65
10	1.6×10	22	60	65
12	2×12	23	60	111
14	2.5×14	24	70	133

### ⬠ 4010M-75 Hex Socket



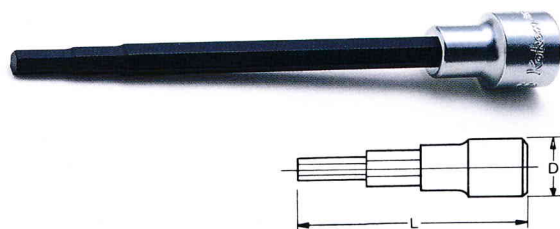
4010M-75 (mm)	D (mm)	L (mm)	(g)
4	22	75	69
5	22	75	70
6	22	75	72
7	22	75	73
8	22	75	74
10	22	75	92
12	23	75	130
14	24	75	150
17	24	75	180
19	26	75	230

### ⬠ 4010M-100



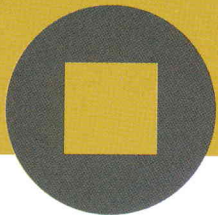
4010M-100 (mm)	D (mm)	L (mm)	(g)
5	22	100	78
6	22	100	80
7	22	100	82
8	22	100	84
10	22	100	109
12	23	100	155

### ⬠ 4010M-160



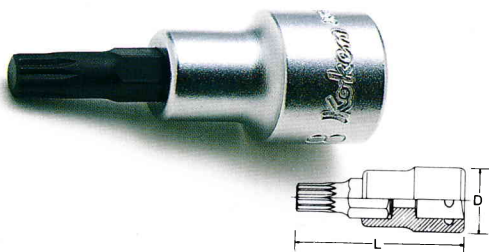
4010M-160 (mm)	D (mm)	L (mm)	(g)
5	22	160	104
6	22	160	106
8	22	160	110
10	22	160	126
12	23	160	180

# 1/2"



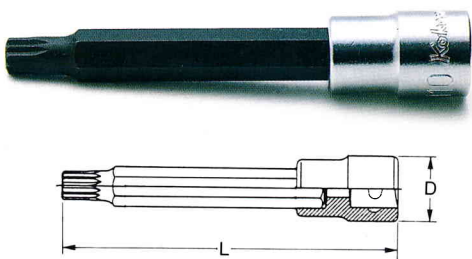
## Bit Sockets

### 4020-60 XZN Bit Sockets



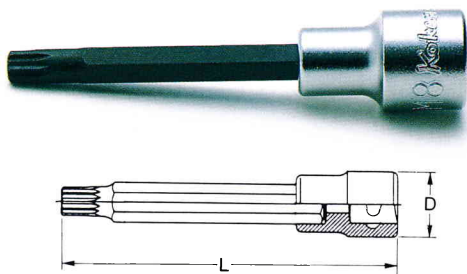
4020-60	D (mm)	L (mm)	(g)
M 5	22	60	60
M 6	22	60	61
M 8	22	60	63
M 10	23	60	93
M 12	23	60	97

### 4020-120 XZN Bit Sockets



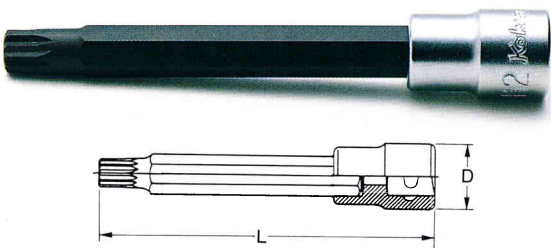
4020-120	D (mm)	L (mm)	(g)
M 8	23	120	89
M 10	23	120	152
M 12	22	120	156

### 4020-100 XZN Bit Sockets



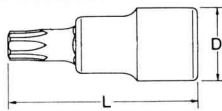
4020-100	D (mm)	L (mm)	(g)
M 6	22	100	78
M 8	22	100	80
M 10	23	100	132
M 12	23	100	136


### 4020-140 XZN Bit Sockets

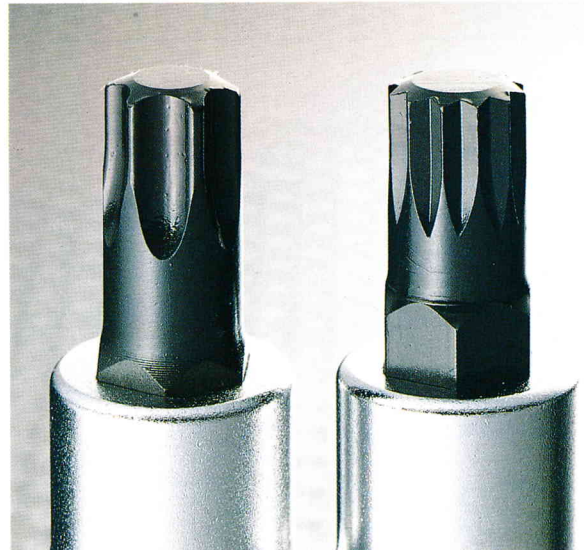


4020-140	D (mm)	L (mm)	(g)
M 8	22	140	98
M 10	23	140	172
M 12	23	140	176

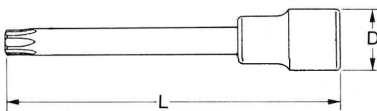
### ★ 4025-60




4025-60	D (mm)	L (mm)	 (g)
T20	22	60	59
T25	22	60	60
T27	22	60	60
T30	22	60	60
T40	22	60	62
T45	22	60	64
T50	22	60	74
T55	23	60	96
T60	24	60	122

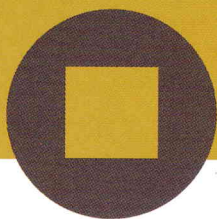


### ★ 4025-140



4025-140	D (mm)	L (mm)	 (g)
T40	22	140	97
T45	22	140	99
T50	22	140	129
T55	23	140	175

# 1/2"



## Bit Sockets

### ⊕ 4001



4001	D (mm)	L (mm)	 (g)
2	21	60	53
3	21	60	55
4	21	60	57

### ⊖ 4006



4006	T×W (mm)	D (mm)	L (mm)	 (g)
8	1.2×8	21	60	53
10	1.6×10	21	60	62
12	2×12	21	60	67
14	2.5×14	21	60	72
16	2.5×16	21	60	81

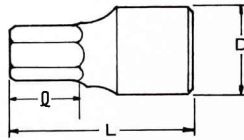
### ⬢ 4012M-43/4012A-43



4012M-13 (mm)	4012A-13 (inch)	D (mm)	ℓ (mm)	L (mm)	 (g)
5	3/16	21.1	11.5	43	46
6	7/32	21.1	11.5	43	42
8	5/16	21.1	11.5	43	49
10		21.5	11.5	43	79
12		24.0	11.5	43	81
14	9/16	24.0	11.5	43	88
17		24.0	11.5	43	101
19	3/4	24.0	11.5	43	110
23		28.0	11.5	43	198

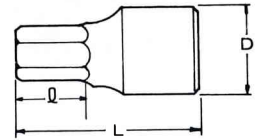


### 4012M-60/4012A-60



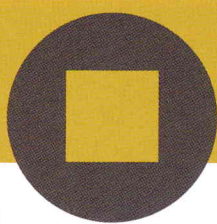
4012M-60 (mm)	4012A-60 (inch)	D (mm)	ℓ (mm)	L (mm)	⚖ (g)
4	5/32	21.1	15.5	60	49
5	3/16	21.1	15.5	60	55
6	7/32	21.1	15.5	60	56
	1/4	21.1	15.5	60	57
7	9/32	21.1	15.5	60	60
8	5/16	21.1	15.5	60	64
9	11/32	21.1	15.5	60	78
	3/8	21.5	15.5	60	74
10		21.5	15.5	60	78
11	7/16	24.0	15.5	60	100
12		24.0	15.5	60	107
13	1/2	24.0	15.5	60	111
14	9/16	24.0	15.5	60	122
15		24.0	15.5	60	125
16	5/8	24.0	15.5	60	134
17		24.0	15.5	60	141
18		24.0	15.5	60	153
19	3/4	24.0	15.5	60	159
21		25.0	15.5	60	185
22	7/8	26.0	15.5	60	204
23		28.0	15.5	60	236
24		28.0	15.5	60	244

### 4012M-75/4012A-75



4012M-75 (mm)	4012A-75 (inch)	D (mm)	ℓ (mm)	L (mm)	⚖ (g)
5	3/16	21.1	15.5	75	58
6	7/32	21.1	15.5	75	62
	1/4	21.1	15.5	75	65
7	9/32	21.1	15.5	75	70
8	5/16	21.1	15.5	75	74
	3/8	21.5	15.5	75	86
10		21.5	15.5	75	94
11	7/16	24.0	15.5	75	119
12		24.0	15.5	75	122
13	1/2	24.0	15.5	75	137
14	9/16	24.0	15.5	75	148
16	5/8	24.0	15.5	75	171
17		24.0	15.5	75	184
19	3/4	24.0	15.5	75	212

# 1/2"



## Accessories

**3749S-1/2** Reversible Ratchet Short

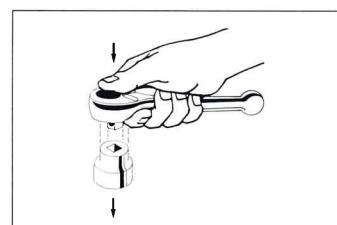


L=110mm =200g

**3749SB-1/2** Reversible Ratchet Short with quick release button



L=110mm =200g



**4749N-250/-380** Reversible Ratchet



•4749-250 L=250mm =616g •4749-380 L=380mm =780g



**4749K** Reversible Ratchet (Matt Chrome finish)

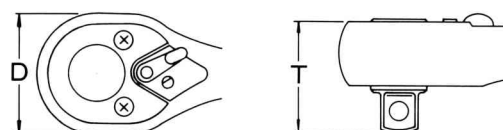


L=250mm =615g

**4752N** Reversible Ratchet



L=250mm =550g



TYPE	D(mm)	T(mm)
<b>3749</b>	34	28.4
<b>4749</b>	44.6	31.5

**4753N** Reversible Ratchet



L=250mm =555g

**4753G** Reversible Ratchet



L=250mm =510g

**4753P** Reversible Ratchet

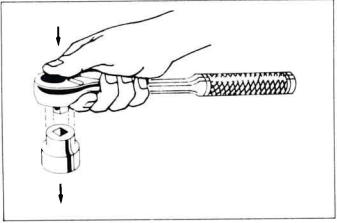


L=250mm =570g

**4753NB** Reversible Ratchet with quick release button




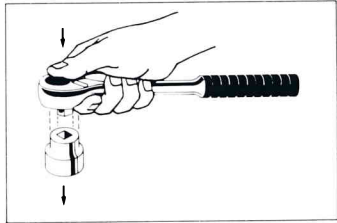
L=250mm =555g



**4753GB** Reversible Ratchet with quick release button



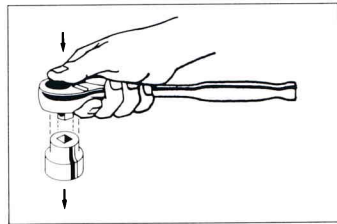
L=250mm =510g

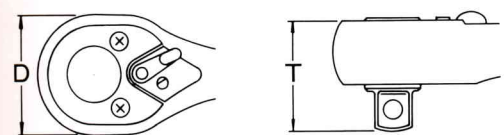


**4753PB** Reversible Ratchet with quick release button



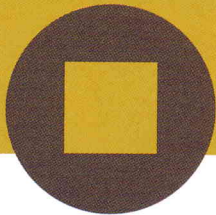
L=250mm =570g





TYPE	D(mm)	T(mm)
4753	38	35.7

# 1/2"



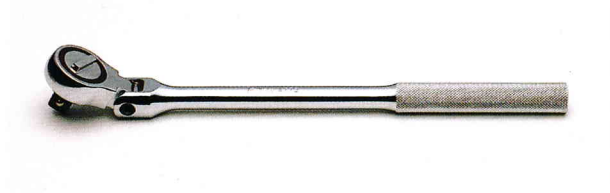
## Accessories

**4774N** Flexible Ratchet Reversible



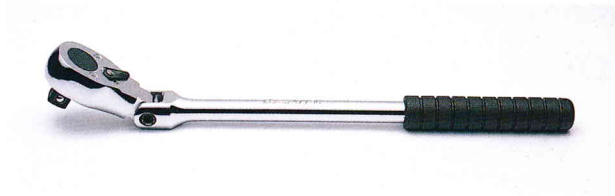
L=330mm  =698g

**4775N** Flexible Ratchet Reversible



L=320mm  =658g

**4774G** Flexible Ratchet Reversible



L=330mm  =640g

**4775G** Flexible Ratchet Reversible



L=320mm  =600g

**4774P** Flexible Ratchet Reversible



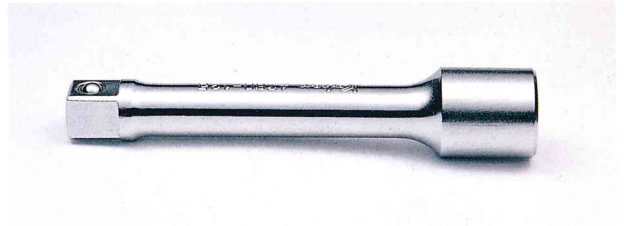
L=330mm  =672g





### 4715 T-Handle



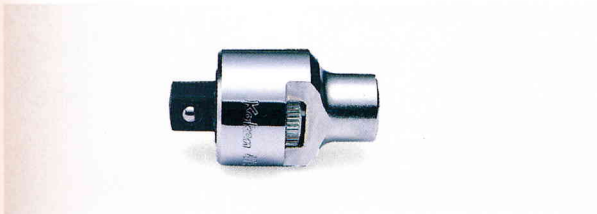
L=267mm =475g


### 4760-75/-125/-250/-600 Extension Bar



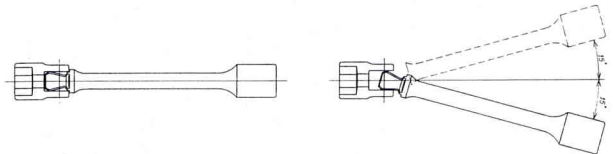
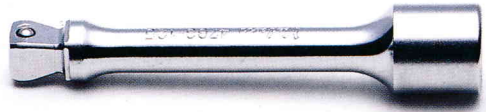
- 4760-75 L=75mm =144g
- 4760-125 L=125mm =194g
- 4760-250 L=250mm =358g
- 4760-600 L=600mm =968g

### 4755 Ratchet Adaptor




L=65mm =270g

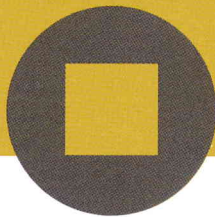
### 4763-50/-125/-250 Offset Extension Bar



- 4763-50 L=50mm =95g
- 4763-125 L=125mm =157g
- 4763-250 L=250mm =357g

Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

# 1/2"



## Accessories

**4768N-300** Hinge Handle



L=300mm =600g

**4768G-380** Hinge Handle



L=380mm =571g

**4768N-380** Hinge Handle



L=380mm =696g

**4768G-450** ☒ Hinge Handle



L=450mm =660g

**4768N-450** ☒ Hinge Handle



L=450mm =784g

**4768P-380** Hinge Handle



L=380mm =665g

**4768R-380** Hinge Handle



L=380mm =767g

**4768P-450** ☒ Hinge Handle



L=450mm =748g

Items in this catalogue marked ☒ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

### 4770 Universal Joint



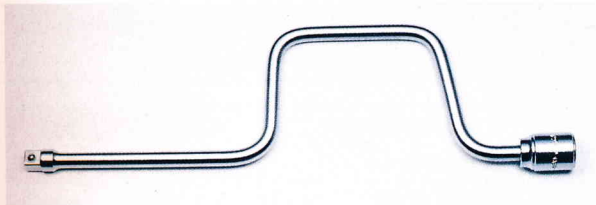
L=72mm =150g

### 4747 L-Handle



L=260x50mm =445g

### 4780-400/-450 Speed Handle



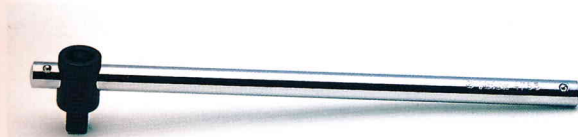
- 4780-400 L=400mm =644g
- 4780-450 L=450mm =688g

### 4788-250/-300 Offset Handle



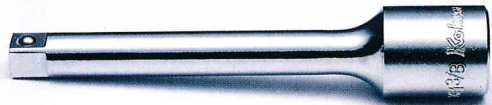
- 4788-250 L=250mm =417g
- 4788-300 L=300mm =503g

### 4785 T-Handle



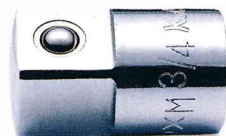
L=300mm =451g

### 4433A-35/125/600 Adaptor



- 4433A-35 1 1/2" x 3/8" L=35mm =50g
- 4433A-125 1 1/2" x 3/8" L=125mm =164g
- 4433A-600 1 1/2" x 3/8" L=600mm =530g

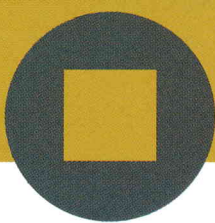
### 4466A Adaptor



1 1/2" x 3/4" L=42mm =108g

Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

# 1/2"



## Socket Sets

### 4222M



4222M:13 Pieces Set <span>⚖️=2,780g</span>	
Sockets	Accessories
4405M-12 point sockets: 10, 11, 12, 13, 14, 17, 19, 21, 22, 24	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4770 (Universal Joint)
METAL CASE: 415×120×50mm	

### 4261M



4261M:18 Pieces Set <span>⚖️=4,870g</span>	
Sockets	Accessories
4405M-12 point sockets: 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint)
METAL CASE: 445×190×50mm	

### 4230M/4230A




4230M:17 Pieces Set <span>⚖️=3,150g</span>	
Sockets	Accessories
4405M-12 point sockets: 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26	4710 (Pin Handle) 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4768N-380 (Hinge Handle)
METAL CASE: 392×90×50mm	

4230A:17 Pieces Set <span>⚖️=3,150g</span>	
Sockets	Accessories
4405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1	4710 (Pin Handle) 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4768N-380 (Hinge Handle)
METAL CASE: 392×90×50mm	


### 4263M




4263M: 21 Pieces Set  =6,100g	
Sockets	Accessories
4405M-12 point sockets: 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 23, 24, 26, 27	4715 (T-Handle) 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint)
METAL CASE: 445 X 190 X 50mm	

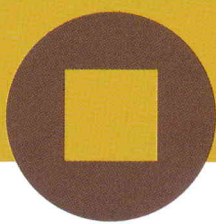
### 4244M/4244A



4244M: 22 Pieces Set  =5,500g	
Sockets	Accessories
4405M-12 point sockets: 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26, 29, 32	4710 (Pin Handle) 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE: 445 X 190 X 50mm	

4244A: 22 Pieces Set  =5,650g	
Sockets	Accessories
4405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4	4710 (Pin Handle) 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE: 445 X 190 X 50mm	

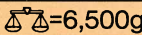
# 1/2"

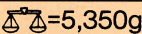


## Socket Sets

### 4241M/4241A

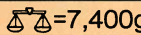


4241M:28 Pieces Set 	
Sockets	Accessories
4405M-12 point sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE: 445 × 190 × 50mm	

4241A:19 Pieces Set 	
Sockets	Accessories
4405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 15/16, 1-1/16, 1-1/8 1-1/4	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE: 445 × 190 × 50mm	

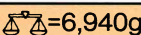
### A4241M



A4241M:28 Pieces Set 	
Sockets	Accessories
4405M-12 point sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE: 480 × 224 × 64mm	

### 4273AM



4273M:30 Pieces Set 	
Sockets	Accessories
4405M-12 point sockets: 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26, 27, 4405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 3/4, 13/16, 7/8, 15/16, 1,	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE: 446 × 266 × 52mm	

4252M/4252A



4252M:13 Pieces Set		⚖️=1,200g
Sockets	4405M-12 point sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	

METAL CASE:168×60×42mm

4252A:13 Pieces Set	
Sockets	4405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16

METAL CASE:168×60×42mm

4251M/4251A



4251M:22 Pieces Set		⚖️=3,200g
Sockets	4405M-12 point sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	

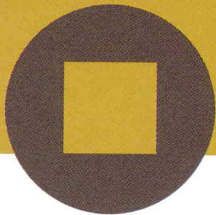
METAL CASE:330×68×48mm

4251A:18 Pieces Set	
Sockets	4405A-12 point sockets: 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4

METAL CASE:330×68×48mm



# 1/2"



## Socket Sets

### 4254



#### 4254:12 Pieces Set

Sockets	Accessories
3425:E6, E8	4433A-35 (Adapter)
4425:E10, E12, E14	4763-50 (Offset Extension Bar)
3325:E6, E8	
4325:E10, E12, E14	
METAL CASE: 220 X 85 X 45mm	

### 4240M/4240A



#### 4240M:117 Pieces Set

=13,000g

Sockets		
4405M		
10mm:9 Pcs.	16mm:9 Pcs.	24mm:6 Pcs.
11mm:9 Pcs.	17mm:8 Pcs.	27mm:5 Pcs.
12mm:9 Pcs.	19mm:7 Pcs.	30mm:5 Pcs.
13mm:9 Pcs.	21mm:7 Pcs.	32mm:4 Pcs.
14mm:9 Pcs.	22mm:6 Pcs.	
15mm:9 Pcs.	23mm:6 Pcs.	

METAL CASE: 510 X 150 X 230mm

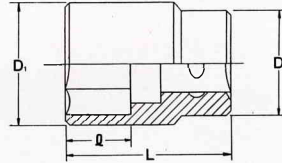
#### 4240A:103 Pieces Set

=10,000g

Sockets			
4405A			
3/8" :9 Pcs.	11/16" :8 Pcs.	1"	:5 Pcs.
7/16" :9 Pcs.	3/4" :7 Pcs.	1-1/16"	:5 Pcs.
1/2" :9 Pcs.	13/16" :7 Pcs.	1-1/8"	:5 Pcs.
9/16" :9 Pcs.	7/8" :6 Pcs.	1-3/16"	:5 Pcs.
5/8" :9 Pcs.	15/16" :6 Pcs.	1-1/4"	:4 Pcs.

METAL CASE: 510 X 150 X 230mm

### 6400M/6400A 6-point Sockets



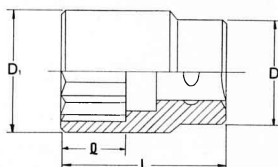
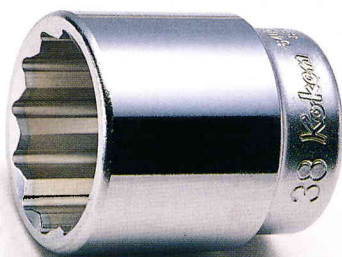
6400M (mm)	6400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
17		27	34	10	50	176
18	11/16	28	34	10	50	178
19	3/4	29	34	10	50	179
20	25/32	30	34	10	50	185
21	13/16	31	34	10	50	185
22	7/8	32	34	14	50	187
23		33	34	14	50	187
24	15/16	34.3	33.8	16	50	200
25		36	34	16	50	217
26	1	37	34	16	50	222
27	1-1/16	38	37	18	53	254
28		40	38	18	53	298
29	1-1/8	40	38	18	53	292
30	1-3/16	42	38	20	55	301
31		42	38	20	55	294
32	1-1/4	44	40	22	57	351
33	1-5/16	46	40	22	57	384
34		47	40	22	57	397
35	1-3/8	48	42	22	57	422
36		49	42	24	59	438
37	1-7/16	51	42	24	59	484
38	1-1/2	52	45	24	59	523
39		53	45	24	59	538
40	1-9/16	54	45	24	59	550
41	1-5/8	56	48	27	62	633
42		57	48	27	62	652
43	1-11/16	58	48	27	62	659
44	1-3/4	59	48	27	62	657
45		61	50	28	62	734


6400M (mm)	6400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
46	1-13/16	62	50	30	68	791
47		63	50	30	68	816
48	1-7/8	64	55	30	68	892
	1-15/16	66	55	30	68	928
50		67	55	33	68	948
	2	68	55	33	68	949
52		69	55	33	72	925
	2-1/16	71	54	33	72	983
54	2-1/8	73	55	33	72	1040
55		74	53	36	72	1006
56	2-3/16	75	54	36	72	1092
57	2-1/4	77	55	36	72	1169
58		78	55	36	72	1149
	2-5/16	79	66	36	72	1344
60	2-3/8	80	66	39	74	1402
	2-7/16	83	66	39	74	1420
63		84	66	39	74	1494
	2-1/2	85	67	39	74	1497
65	2-9/16	86	66	42	78	1608
	2-5/8	89	66	42	78	1709
	2-11/16	90	66	42	78	1634
70	2-3/4	92	66	45	80	1785
	2-13/16	95	75	45	80	2018
	2-7/8	96	75	45	80	2062
75	2-15/16	99	73	48	84	2186
	3	102	75	48	84	2309
80	3-1/8	105	75	52	86	2475
85		110	80	52	86	2620


# 3/4"

## Sockets

### 6405M/6405A 12-point Socket



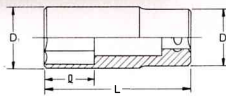
6405M6405A (mm) (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)	
17		27	34	10	50	175
18	11/16	28	34	10	50	175
19	3/4	29	34	10	50	190
20	25/32	30	34	10	50	181
21	13/16	31	34	10	50	184
22	7/8	32	34	14	50	187
23		33	34	14	50	189
24	15/16	34.3	33.8	16	50	194
25		36	34	16	50	208
26	1	37	34	16	50	216
27	1-1/16	38	37	18	53	254
28		40	38	18	53	291
29	1-1/8	40	38	18	53	287
30	1-3/16	42	38	20	55	299
31		42	38	20	55	286
32	1-1/4	44	40	22	57	332
33	1-5/16	46	40	22	57	385
34		47	40	22	57	382
35	1-3/8	48	42	22	57	412
36		49	42	24	59	420
37	1-7/16	51	42	24	59	472
38	1-1/2	52	45	24	59	508
39		53	45	24	59	520
40	1-9/16	54	45	24	59	538
41	1-5/8	56	48	27	62	606
42		57	48	27	62	634
43	1-11/16	58	48	27	62	635
44	1-3/4	59	48	27	62	642
45		61	50	28	62	720

6405M6405A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm) (inch)	(mm)	(mm)	(mm)	(mm)	(g)
46 1-13/16	62	50	30	68	762
47	63	50	30	68	785
48 1-7/8	64	55	30	68	810
1-15/16	66	55	30	68	880
50	67	55	33	68	914
2	68	55	33	68	921
52	69	55	33	72	892
2-1/16	71	54	33	72	935
54 2-1/8	73	55	33	72	972
55	74	53	36	72	950
56 2-3/16	75	54	36	72	1035
57 2-1/4	77	55	36	72	1062
58	78	55	36	72	1075
2-5/16	79	66	36	72	1284
60 2-3/8	80	66	39	74	1290
2-7/16	83	66	39	74	1418
63	84	66	39	74	1425
2-1/2	85	67	39	74	1455
65 2-9/16	86	66	42	78	1582
2-5/8	89	66	42	78	1578
2-11/16	90	66	42	78	1554
70 2-3/4	92	66	45	80	1647
2-13/16	95	75	45	80	1922
2-7/8	96	75	45	80	1968
75 2-15/16	99	73	48	84	2186
3	102	75	48	84	2190
80 3-1/8	105	75	52	86	2249
85	110	80	52	86	2600

# 3/4"

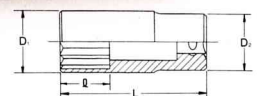
## Sockets

### 6300M/6300A 6-point Deep Sockets



6300M	6300A	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
19	3/4	29	34	18	90	355
20	25/32	30	34	18	90	360
21	13/16	31	34	18	90	360
22	7/8	32	34	21	90	366
23		33	34	21	90	370
24	15/16	34.3	33	24	90	372
25		36	33.8	24	90	400
26	1	37	33.8	24	90	421
27	1-1/16	38	37	27	90	456
28		40	38	27	90	483
29	1-1/8	40	38	27	90	512
30	1-3/16	42	40	30	90	500
31		42	40	30	90	526
32	1-1/4	44	42	33	90	554
33	1-5/16	46	42	33	90	597
34		47	44	33	90	655
35	1-3/8	48	44	33	90	666
36		49	45	36	90	683
	1-7/16	51	45	36	90	751
38	1-1/2	52	45	36	90	748
40	1-9/16	54	45	36	90	770
41	1-5/8	56	48	40	90	862
42		57	48	40	90	889
	1-11/16	58	48	40	90	879
44	1-3/4	59	48	40	90	925
46	1-13/16	62	50	45	90	982
50		66	55	50	90	1042
53	2-1/16	71	54	61	100	1305
54	2-1/8	73	55	61	100	1393
55		74	53	64	100	1354
	2-3/16	75	54	64	100	1425
57	2-1/4	77	55	64	100	1510
58		78	55	64	100	1562
	2-5/16	79	66	64	100	1793
60	2-3/8	80	66	67	100	1784
	2-7/16	83	66	67	100	1899
63		84	66	67	100	1925

### 6305M/6305A 12-point Deep Sockets

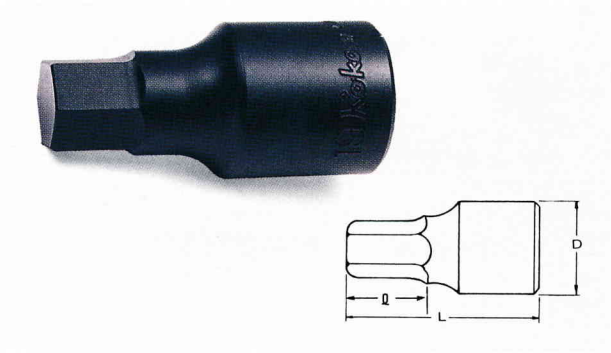


6305M	6305A	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
19	3/4	29	34	18	90	343
20	25/32	30	34	18	90	315
21	13/16	31	34	18	90	360
22	7/8	32	34	21	90	365
23		33	34	21	90	370
24	15/16	34.3	33	24	90	368
25		36	33.8	24	90	396
26	1	37	33.8	24	90	408
27	1-1/16	38	37	27	90	432
28		40	38	27	90	503
29	1-1/8	40	38	27	90	490
30	1-3/16	42	40	30	90	482
31		42	40	30	90	520
32	1-1/4	44	42	33	90	532
33	1-5/16	46	42	33	90	582
34		47	44	33	90	616
35	1-3/8	48	44	33	90	652
36		49	45	36	90	687
	1-7/16	51	45	36	90	734
38	1-1/2	52	45	36	90	726
40	1-9/16	54	45	36	90	756
41	1-5/8	56	48	40	90	824
42		57	48	40	90	830
	1-11/16	58	48	40	90	854
44	1-3/4	59	48	40	90	868
46	1-13/16	62	50	45	90	920
50		66	55	50	90	870
53	2-1/16	71	54	61	100	1222
54	2-1/8	73	55	61	100	1315
55		74	53	64	100	1290
	2-3/16	75	54	64	100	1354
57	2-1/4	77	55	64	100	1429
58		78	55	64	100	1483
	2-5/16	79	66	64	100	1672
60	2-3/8	80	66	67	100	1665
	2-7/16	83	66	67	100	1766
63		84	66	67	100	1792

# 3/4"

## Hex Sockets

### 6012M Hex Sockets



6012M (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)
14	35	15.5	75	265
17	35	15.5	75	292
19	35	15.5	75	312
22	35	22.5	75	340
24	35	22.5	75	362
27	35	22.5	75	402

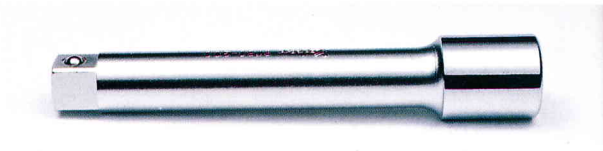
## Accessories

### 6749 Reversible Ratchet



L=550mm =2800g

### 6760-75/-200/-400 Extension Bar



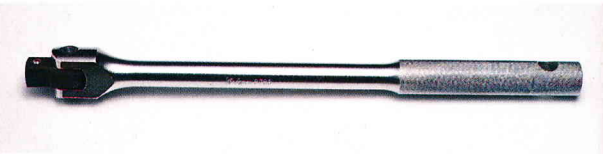
- 6760-75 L=75mm =335g
- 6760-200 L=200mm =815g
- 6760-400 L=400mm =1585g

### 6755 Ratchet Adaptor



L=97mm =1162g

### 6768 Hinge Handle

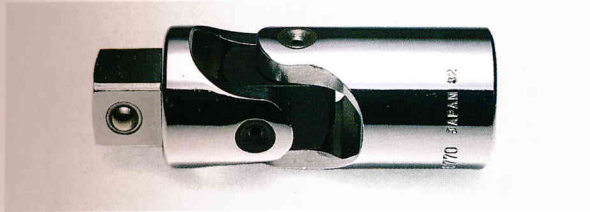


L=450mm =1715g

3/4"

## Accessories

**6770** Universal Joint



L=104mm =478g


**6644A**  Adaptor



凹3/4"凸1/2" L=47mm =136g

**6785** T-Handle




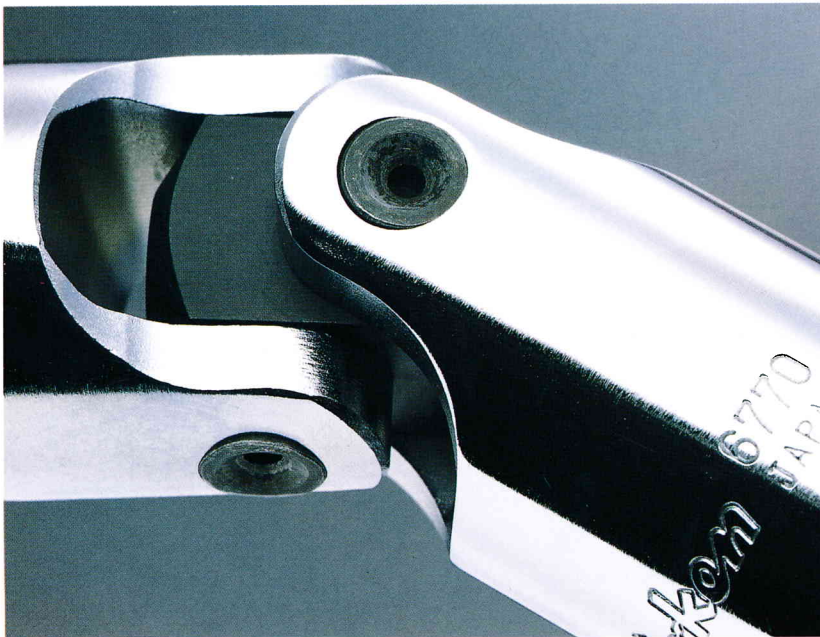
L=500mm =1542g

**6688A** Adaptor



凹3/4"×凸1" L=60mm =285g

Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.





# 3/4"

## Socket Sets

### 6220M/6220A




6220M:9 Pieces Set  = 7,400g	
Sockets	Accessories
6405M-12 point sockets: 26, 29, 32, 35, 38, 41, 46	6760-200 (Extension Bar) 6785 (T-Handle)
METAL CASE:530×124×70mm	

6220A:10 Pieces Set  = 7,400g	
Sockets	Accessories
6405A-12 point sockets: 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-3/8, 1-7/16, 1-1/2, 1-5/8	6760-200 (Extension Bar) 6785 (T-Handle)
METAL CASE:530×124×70mm	

### 6212M




6212M:12 Pieces Set  = 8,200g	
Sockets	Accessories
6405M-12 point sockets: 22, 24, 27, 30, 32, 36, 41, 46, 50	6749 (Reversible Ratchet) 6760-200 (Extension Bar) 6785 (T-Handle)
METAL CASE:530×124×70mm	




## Socket Sets

### 6201M/6201A





6201M:16 Pieces Set  =17,300g	
Sockets	Accessories
6405M-12 point sockets: 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60	6749 (Reversible Ratchet) 6760-75 (Extension Bar) 6760-400 (Extension Bar) 6768 (Hinge Handle) 6785 (T-Handle)
METAL CASE:540×200×85mm	

6201A:18 Pieces Set  =17,600g	
Sockets	Accessories
6405A-12 point sockets: 7/8, 15/16, 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-7/16, 1-1/2, 1-5/8, 1-11/16, 1-13/16, 1-7/8, 2	6749 (Reversible Ratchet) 6760-75 (Extension Bar) 6760-400 (Extension Bar) 6768 (Hinge Handle) 6785 (T-Handle)
METAL CASE:540×200×85mm	

### 6260M/6260A

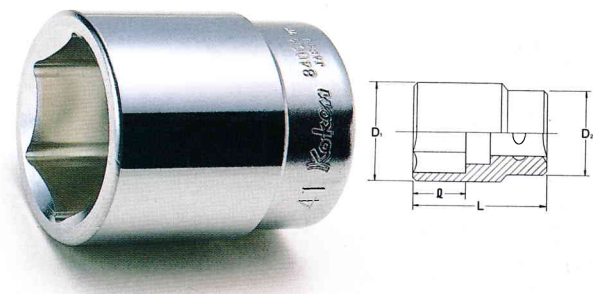


6260M:20 Pieces Set  =15,800g	
Sockets	Accessories
6405M-12 point sockets: 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50	6101 (Screw Driver Socket) 6749 (Reversible Ratchet) 6760-75 (Extension Bar) 6760-200 (Extension Bar) 6760-400 (Extension Bar) 6770 (Universal Joint) 6785 (T-Handle)
METAL CASE:530×198×80mm	

6260A:25 Pieces Set  =19,000g	
Sockets	Accessories
6405A-12 point sockets: 15/16, 31/32, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2	6101 (Screw Driver Socket) 6749 (Reversible Ratchet) 6760-75 (Extension Bar) 6760-200 (Extension Bar) 6760-400 (Extension Bar) 6770 (Universal Joint) 6785 (T-Handle)
METAL CASE:530×198×80mm	

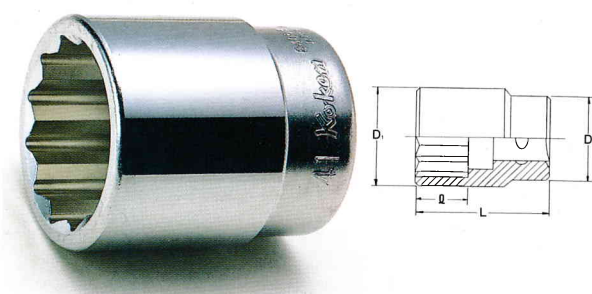
## Sockets

### 8400M/8400A 6-point Sockets



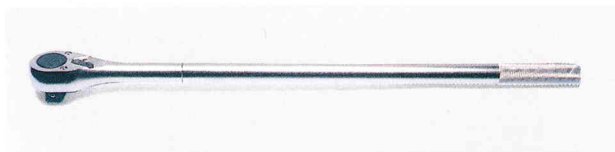
8400M	8400A	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
32	1-1/4	47	45	25	65	476
33	1-5/16	48	46	25	65	506
35	1-3/8	50	48	25	65	555
36		52	50	25	65	618
	1-7/16	53	50	25	65	660
38	1-1/2	54	50	25	65	637
41	1-5/8	58	53	28	68	785
	1-3/4	61	55	28	68	850
46	1-13/16	64	55	31	72	963
50		68	55	33	72	1003
	2	69	55	33	72	1040
54	2-1/8	74	55	37	72	1060
55		76	56	42	77	1197
	2-1/4	78	57	42	77	1270
58		79	57	42	77	1307
60	2-3/8	82	61	46	82	1510
63		85	61	45	82	1550
	2-1/2	86	61	45	82	1627
65	2-9/16	87	66	49	86	1796
70	2-3/4	94	68	48	86	2080
75	2-15/16	100	73	51	87	2412
80	3-1/8	107	75	52	87	2700
85		113	80	52	87	2950
90	3-1/2	119	80	56	100	3550
95	3-3/4	125	85	56	100	3950
100		127	85	56	100	4000

### 8405M/8405A 12-point Sockets

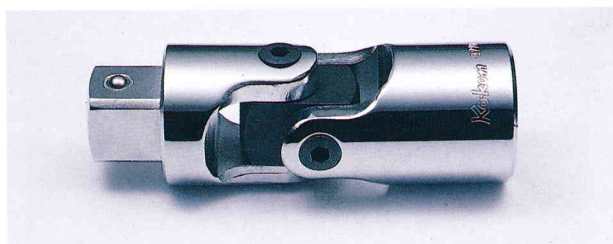


8405M	8405A	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
32	1-1/4	47	45	25	65	455
33	1-5/16	48	46	25	65	485
35	1-3/8	50	48	25	65	536
36		52	50	25	65	600
	1-7/16	53	50	25	65	607
38	1-1/2	54	50	25	65	624
40	1-9/16	56	53	25	65	686
41	1-5/8	58	53	28	68	747
	1-11/16	60	55	28	68	830
	1-3/4	61	55	28	68	807
46	1-13/16	64	55	31	72	928
50		68	55	33	72	943
	2	69	55	33	72	976
	2-1/16	73	55	37	72	1027
54	2-1/8	74	55	37	72	1016
55		76	56	42	77	1167
	2-3/16	77	56	42	77	1192
	2-1/4	78	57	42	77	1177
58		79	57	42	77	1200
	2-5/16	81	57	42	77	1292
60	2-3/8	82	61	46	82	1440
	2-7/16	84	61	46	82	1495
63		85	61	45	82	1470
	2-1/2	86	61	45	82	1497
65	2-9/16	87	66	49	86	1683
67	2-5/8	90	66	48	86	1840
	2-11/16	91	66	48	86	1800
70	2-3/4	94	68	48	86	1963
71		95	70	48	86	2200
	2-13/16	96	70	48	86	2035
	2-7/8	98	70	48	86	2100
75	2-15/16	100	73	51	87	2204
	3	103	75	51	87	2406
80	3-1/8	107	75	52	87	2550
	3-1/4	111	80	52	87	2730
85		113	80	52	87	2680
90	3-1/2	119	80	56	100	3420
95	3-3/4	125	85	56	100	4900
100		127	85	56	100	4840

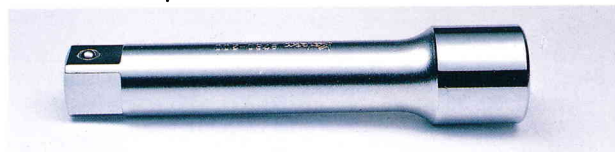
## Accessories

**8749** Reversible Ratchet

L=800mm =4090g

**8770** Universal Joint

L=143mm =1170g

**8760-200/-400** Extension Bar

•8760-200 L=200mm =1300g

•8760-400 L=400mm =2570g

**8785** T-Handle

L=550mm =3190g

**8768** Hinge Handle

L=600mm =3540g

**8866A** Adaptor

凹1"×凸3/4" L=60mm =338g

Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## Socket Sets

### 8200M/8200A



8200M:12 Pieces Set <span>⚖️=18,600g</span>	
Sockets	Accessories
8405M-12 point sockets: 35, 38, 41, 46, 50, 54, 58, 63	8760-200 (Extension Bar) 8760-400 (Extension Bar) 8770 (Universal Joint) 8785 (T-Handle)

METAL CASE:635×150×100mm

8200A:12 Pieces Set <span>⚖️=18,600g</span>	
Sockets	Accessories
8405A-12 point sockets: 1-7/16, 1-1/2, 1-5/8, 1-13/16, 2 2-1/8, 2-1/4, 2-1/2	8760-200 (Extension Bar) 8760-400 (Extension Bar) 8770 (Universal Joint) 8785 (T-Handle)

METAL CASE:635×150×100mm

### 8225M



8225M:15 Pieces Set <span>⚖️=27,000g</span>	
Sockets	Accessories
8405M-12 point sockets: 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80	8749 (Reversible Ratchet) 8760-200 (Extension Bar) 8760-400 (Extension Bar)

METAL CASE:635×215×100mm

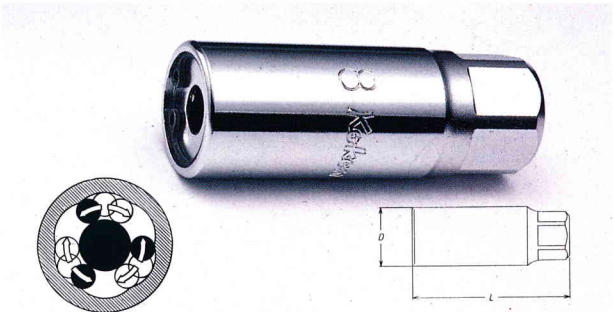
# 3/4"

# 1/2"

## Screw and Stud Pullers

### 4100M/4100A

Screw and Stud Pullers



4100M (mm)	4100A (inch)	D (mm)	L (mm)	(g)
6	1/4	24	65	150
7		24	65	150
8	5/16	24	65	147
9		28	75	247
10	3/8	28	75	213
10.5		28	75	202
11	7/16	28	75	218
12		28	75	209
	1/2	28	75	191
14	9/16	34	75	326
16	5/8	34	75	300

### 6100M

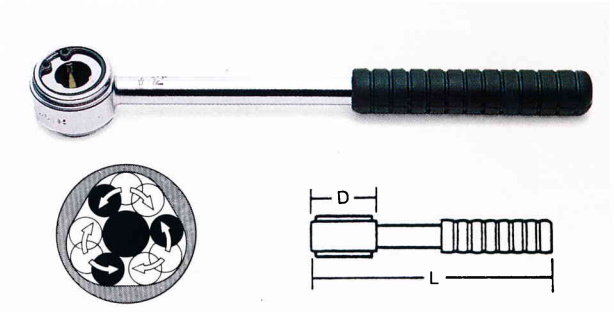
Screw and Stud Pullers



6100M (mm)	D (mm)	L (mm)	(g)
18	48	100	840
20	48	100	816
22	48	100	745
24	48	100	739
27	63	125	1707
28	63	125	1701
29	63	125	1696
30	63	125	1691

### 141S/141

Stud Pullers Ratchet

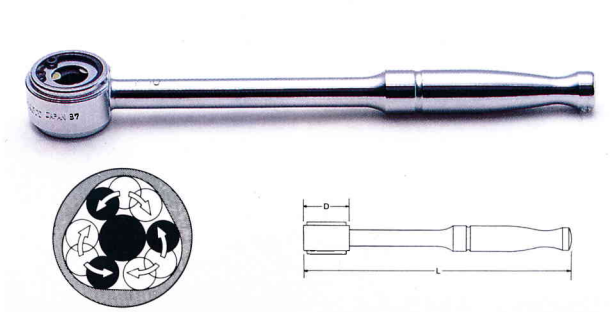


141S	D (mm)	L (mm)	(g)
6	28	120	150
8	28	120	150
10	32	120	153
12	32	120	152

141	D (mm)	L (mm)	(g)
6	28	205	210
8	28	205	210
10	32	205	229
12	32	205	227

### 141P

Stud Puller Ratchet



141P	D (mm)	L (mm)	(g)
6	28	205	210
8	28	205	210
10	32	205	229
12	32	205	227

## Screw and Stud Pullers/Setter in Sets

### 4211M/4211A



4211M:4 Pieces Set		⚖️=1,040g
Pullers	4100M:6, 8, 10, 12	
METAL CASE:220×85×45mm		

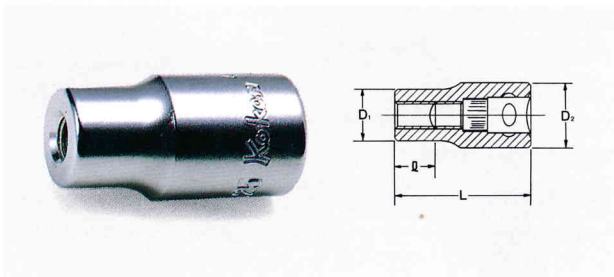
4211A:4 Pieces Set		⚖️=1,040g
Pullers	4100A:1/4, 5/16, 3/8, 1/2	
METAL CASE:220×85×45mm		

### 4214M



4214M:5 Pieces Set		⚖️=1,370g
Pullers	4100M:6, 8, 10, 12, 14	
METAL CASE:220×85×45mm		

### 4103M Setters



4103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	⚖️ (g)
6mm × 1	17	22	8	43	77
8mm × 1.25	18	22	11	43	88
10mm × 1.5	19	23	13	50	102
12mm × 1.75	20	23	13.5	50	105

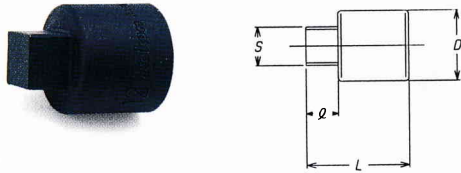
### 4203M Set




4203M:4 Pieces Set		⚖️=530g
4103M:Setters	6mm X1 , 8mm X1.25 10mm X1.5, 12mm X1.75	
METAL CASE:130 X 67 X 26mm		

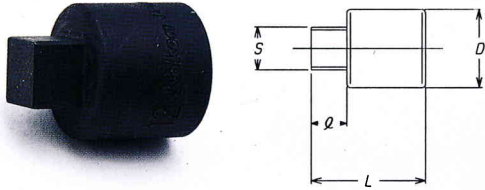
# 1/2" 3/8" Drain Plug Keys


### 3110M/3110A 4-point Male Sockets



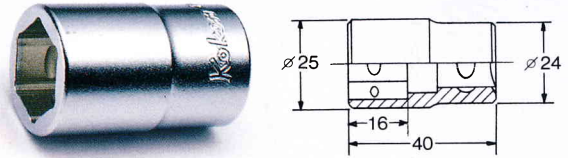
3110M (mm)	3110A (inch)	D (mm)	ℓ (mm)	L (mm)	 (g)
8	5/16	18	10	28	30
10	3/8	18	10	28	33
12	1/2	18	10	28	37


### 4110M 4-point Male Sockets



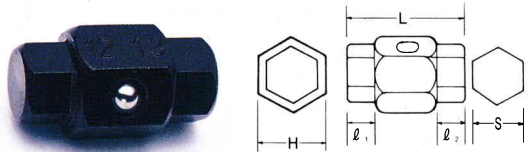
4110M (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)
8	24	10	32	57
9.5	24	10	32	60
12.7	24	10	32	65
13.5	24	10	32	67
19	25	15	37	101
20	26	15	37	114


### 4102 1/2Sq, Dr, Adaptor 17mm



L=40mm =82g

### 106 4-Point 6-Point Male Bit



106	H (mm)	ℓ <sub>1</sub> (mm)	ℓ <sub>2</sub> (mm)	L (mm)	 (g)
8S×10S	17	7.9	7.9	32	40
8H×3/8H	17	7.9	7.9	32	38
10H×11H	17	7.9	7.9	32	42
12H×13H	17	7.9	7.9	32	47
14H×17H	17	7.9	7.9	32	55
19H	17	—	7.9	24	49

### 4202 Drain Plug Key Set



4202:7 Pieces Set =426g

Sockets 106 Male Bit:8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H  
4102 : Adaptor

METAL CASE:145×45×32mm

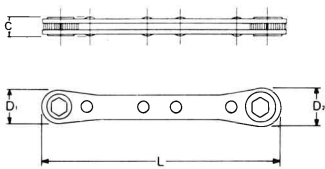
# Koken® ***RATCHET SPANNERS & BITS***


Please observe our safety advices pages 2 & 3



# Ratcheting Ring Spanner

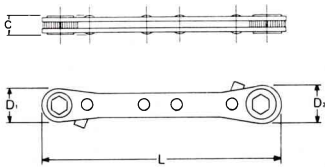
## 102NM/102NA




102NM (mm)	102NA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)
	7/32×1/4	108	15.3	16.4	7.5	60
6×7	1/4×9/32	108	15.3	16.4	7.5	60
7×8	1/4×5/16	108	15.3	16.4	7.5	60
8×9	5/16×11/32	134	17.1	19.7	7.5	80
8×10	5/16×3/8	134	17.1	19.7	7.5	80
10×11	3/8×7/16	140	20.1	22.7	7.5	87
12×13	7/16×1/2	145	23.6	24.6	9.0	112
12×14	1/2×9/16	145	23.6	24.6	9.0	112

## 102KM/102KA

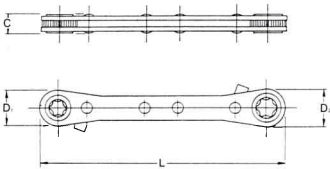
Reversible




102KM (mm)	102KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)
	7/32×1/4	108	15.3	16.4	7.5	60
6×7	1/4×9/32	108	15.3	16.4	7.5	60
7×8	1/4×5/16	108	15.3	16.4	7.5	60
8×9	5/16×11/32	134	17.1	19.7	7.5	80
8×10	5/16×3/8	134	17.1	19.7	7.5	80
10×11	3/8×7/16	140	20.1	22.7	7.5	87
12×13	7/16×1/2	145	23.6	24.6	9.0	112
12×14	1/2×9/16	145	23.6	24.6	9.0	112

## 102KT

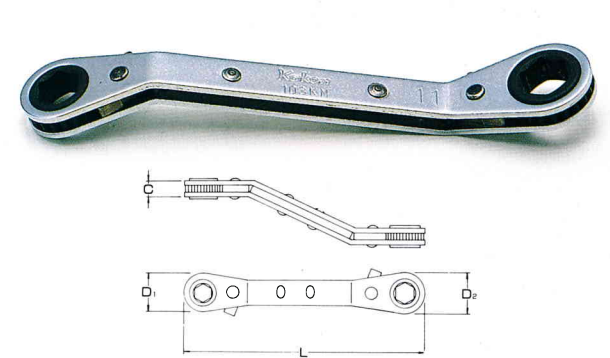
Reversible



102KT	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	 (g)
E6×E8	108	15.3	16.4	7.5	60
E10×E12	134	17.1	19.7	7.5	80

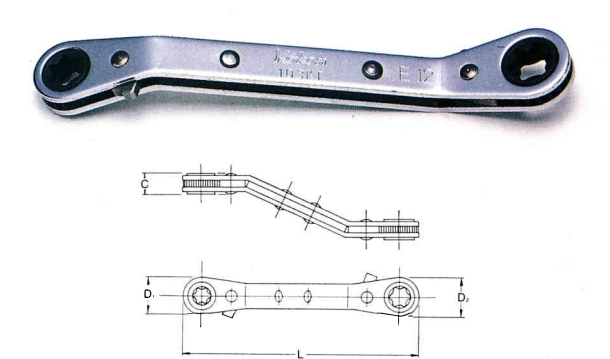
# Offset Ratcheting Ring Spanner

## 103KM/103KA Reversible



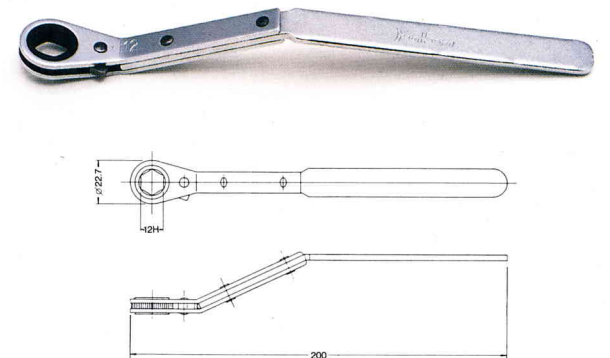
103KM (mm)	103KA (inch)	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)
	7/32×1/4	104	15.3	16.4	7.5	60
6×7	1/4×9/32	104	15.3	16.4	7.5	60
7×8	1/4×5/16	104	15.3	16.4	7.5	60
8×9	5/16×11/32	128	17.1	19.7	7.5	80
8×10	5/16×3/8	128	17.1	19.7	7.5	80
10×11	3/8×7/16	133	20.1	22.7	7.5	87
12×13	7/16×1/2	139	23.6	24.6	9.0	112
12×14	1/2×9/16	139	23.6	24.6	9.0	112

## 103KT Reversible



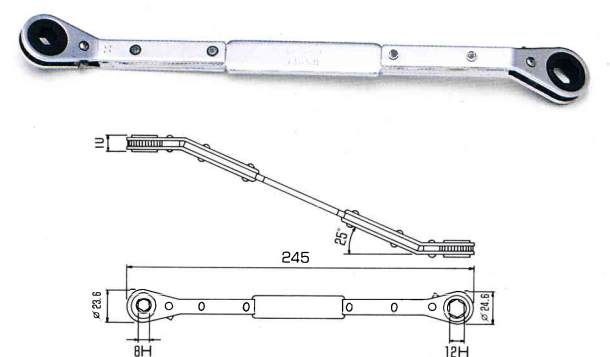
103KT	L (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	C (mm)	(g)
E6×E8	104	15.3	16.4	7.5	60
E10×E12	128	17.1	19.7	7.5	80

## ○144KM Reversible



L=200mm =102g  
12mm 6-point opening for VW Golf glow plugs

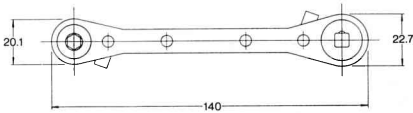
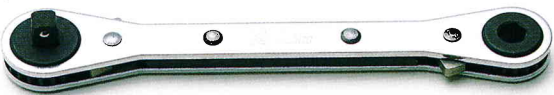
## ○148KM Reversible



L=245mm =187g

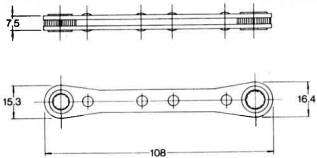
# Micro Ratchets

138 Reversible



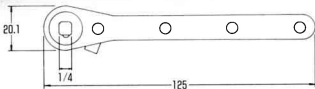
凹1/4H×凸1/4sq L=140mm ㏞㏞=90g

R810 Ratchet Spanner



1/4"×5/16" L=108mm ㏞㏞=60g

139 Reversible

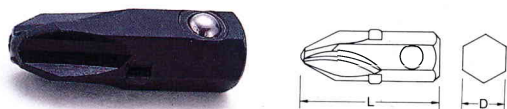



凸1/4sq L=125mm ㏞㏞=80g



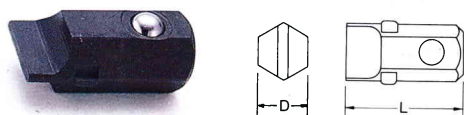
## Bits for 138 & R810


### 101P



101P	D (mm)	L (mm)	 (g)
1	6.35	20.5	3
2	6.35	20.5	4
3	6.35	20.5	4


### 101S



101S	D (mm)	L (mm)	 (g)
1×7	6.35	15	3
1.2×7	6.35	15	3


### 101H



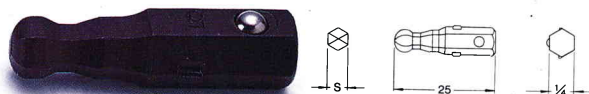
101H	S (mm)	D (mm)	L (mm)	 (g)
3	3	6.35	20.5	4
4	4	6.35	20.5	4
5	5	6.35	20.5	5
6	6	6.35	20.5	5
8	8	6.35	20.5	7


### 101T



101T	D (mm)	L (mm)	 (g)
T10	6.35	28	4
T15	6.35	28	4
T20	6.35	28	5
T25	6.35	28	5
T27	6.35	28	6
T30	6.35	28	6

### 101B With ballpoint



101B	S (mm)	D (mm)	L (mm)	 (g)
3	3	6.35	25	4
4	4	6.35	25	4
5	5	6.35	25	5
6	6	6.35	25	5

Bits for R810

128H



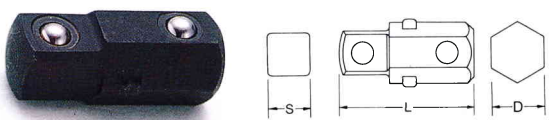
128H	S (mm)	D (mm)	L (mm)	(g)
3	3	8	20.5	4
4	4	8	20.5	4
5	5	8	20.5	5
6	6	8	20.5	5
8	8	8	20.5	7

128T

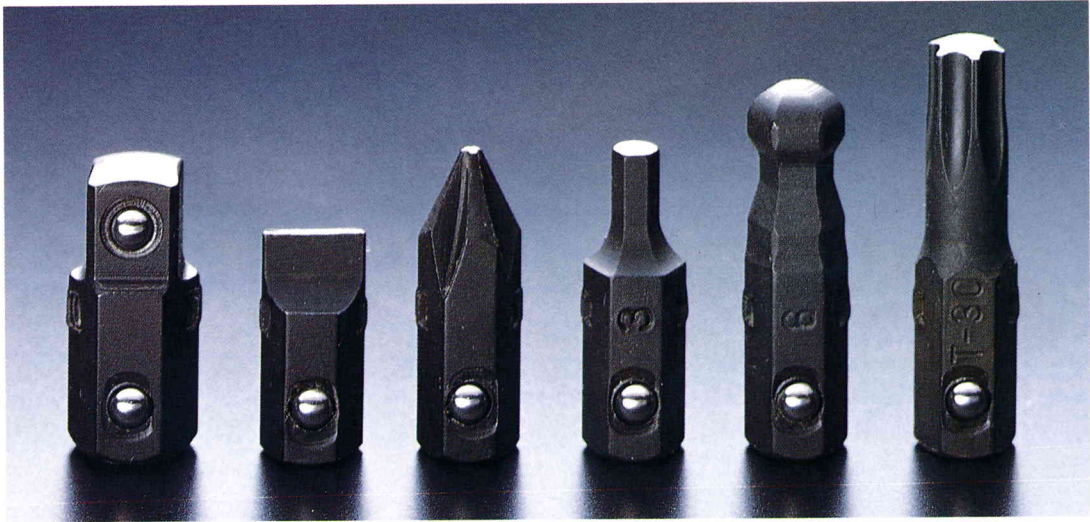


128T	D (mm)	L (mm)	(g)
T10	8	35	9
T15	8	35	9
T20	8	35	9
T25	8	35	10
T27	8	35	10
T30	8	35	11

101A Adaptor



101A	S (mm)	D (mm)	L (mm)	(g)
	6.35	8	20	8



# Socket Sets

## 2254M




2254M:12 Pieces Set		⚖️=450g
Bits	Accessories	
101P: Philips-1, 2, 3,	101A	(Adaptor)
101S: Flat-1×7	2769F	(Socket Driver)
1.2×7	2137	(Bit Holder)
101H: Hex-3, 4, 5	R810: 1/4×5/16	(Ratchet Spanner)
METAL CASE: 165×110×25mm		



# Ratchet Spanners Sets


## R810A



R810A:5 Pieces Set  =208g	
Bits	Accessories
101P-Philips 1, 2, 3 101S-Flat 1.0X7	R810 (Ratchet Spanner)
METAL CASE:130X65X19mm	


## R810B



R810B:10 Pieces Set  =268g	
Bits	Accessories
101P-Philips 1, 2, 3 101S-Flat 1.0X7 128H-Hex 3, 4, 5, 6, 8	R810 (Ratchet Spanner)
METAL CASE:130X65X19mm	


## R810C



R810C:12 Pieces Set  =277g	
Bits & Sockets	Accessories
101P-Philips 1, 2, 3 101S-Flat 1.0X7 2400M-6 Point Sockets 5, 6, 7, 8, 9, 10	R810 (Ratchet Spanner) 101A (Adaptor)
METAL CASE:130X65X19mm	

## R810D



R810D:17 Pieces Set  =277g	
Bits & Sockets	Accessories
101P-Philips 1, 2, 3 101S-Flat 1.0X7 128H-Hex 3, 4, 5, 6, 8 2400M-6 Point Sockets 5, 6, 7, 8, 9, 10	R810 (Ratchet Spanner) 101A (Adaptor)
METAL CASE:130X65X19mm	

## R810E



R810E:9 Pieces Set  =445g	
Sockets	Accessories
2300M-6 Point Deep Sockets 6, 7, 8, 9, 10, 11, 12	R810 (Ratchet Spanner) 101A (Adaptor)
METAL CASE:130X65X19mm	



**Koken<sup>®</sup>**

# ***ATTACK DRIVER***

Please observe our safety advices pages 2 & 3





# 1/2"

## Attack Driver

4112N Attack Driver



L=143mm      =660g


4112G Attack Driver



L=163mm      =810g


AN112A



AN112A: 6 Pieces Set  =1,000g	
Attack Driver	Bits
4112N Attack Driver	100P-32: Philips 2, 3
4138 Bit Holder	100S-32: Flat 9, 11
METAL CASE: 190×59×45mm	

AG112A

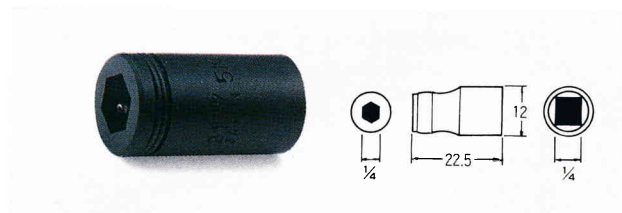


AG112A: 6 Pieces Set  =1,150g	
Attack Driver	Bits
4112G Attack Driver	100P-32: Philips 2, 3
4138 Bit Holder	100S-32: Flat 9, 11
METAL CASE: 190×59×45mm	

# 1/4" 3/8" 1/2"

## Bit Holder

**2137**



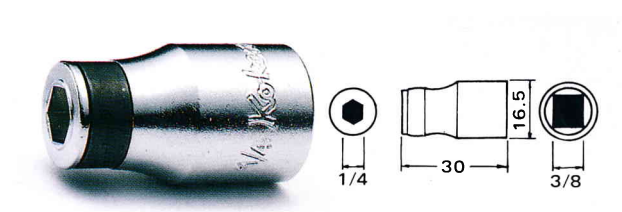
L=22.5mm =13g

**4137**



L=38mm =53g

**3137**



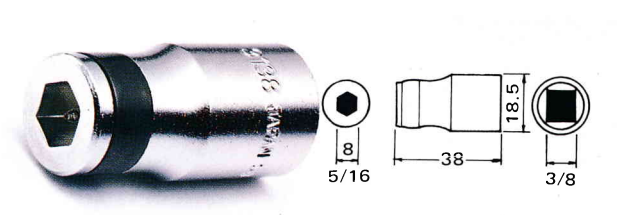
L=30mm =30g

**4138**



L=38mm =62g

**3138**



L=38mm =55g

## Bits

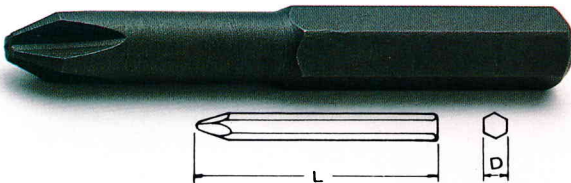
### ⊕108P-25/32



108P-25	D (mm)	L (mm)	(g)
1	6.35	25	5
2	6.35	25	5
3	6.35	25	6

108P-32	D (mm)	L (mm)	(g)
1	6.35	32	7
2	6.35	32	7
3	6.35	32	8

### ⊕108P-50



108P-50	D (mm)	L (mm)	(g)
1	6.35	50	10
2	6.35	50	11
3	6.35	50	11

### ⊖108S-25/39



108S-25	T×W (mm)	D (mm)	L (mm)	(g)
3	0.5×3	6.35	25	3
4.5	0.6×4.5	6.35	25	4
5.5	0.8×5.5	6.35	25	5
6	1.0×6	6.35	25	5
8	1.2×8	6.35	25	6

108S-39	T×W (mm)	D (mm)	L (mm)	(g)
4	0.6×4	6.35	39	6
4.5	0.6×4.5	6.35	39	6
5	0.8×5	6.35	39	7
5.5	0.8×5.5	6.35	39	8
6	1.0×6	6.35	39	9
8	1.2×8	6.35	39	12

### ⊙108H-25



108H-25	S (mm)	D (mm)	L (mm)	(g)
3	3	6.35	25	4
4	4	6.35	25	5
5	5	6.35	25	5
6	6	6.35	25	6
8	8	6.35	25	8
10	10	6.35	25	11

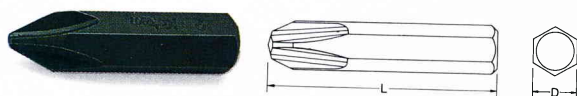
### ★108T-28



108T-28	D (mm)	L (mm)	(g)
T10	6.35	28	4
T15	6.35	28	4
T20	6.35	28	5
T25	6.35	28	6
T27	6.35	28	6
T30	6.35	28	6

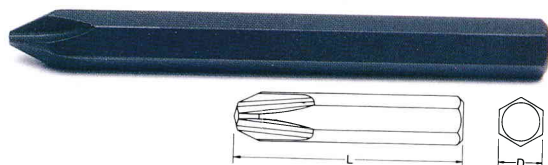
## Bits

### ⊕100P-32



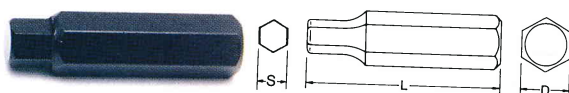
100P-32	D (mm)	L (mm)	(g)
1	8	32	11
2	8	32	11
3	8	32	10

### ⊕100P-80



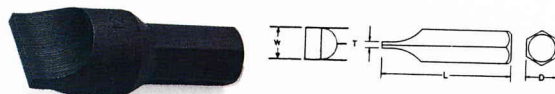
100P-80	D (mm)	L (mm)	(g)
1	8	80	30
2	8	80	30
3	8	80	31
4	8	80	32

### ⊙100H-32



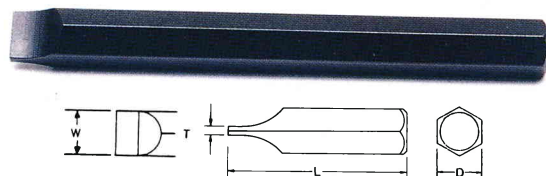
100H-32	S (mm)	D (mm)	L (mm)	(g)
3	3	8	32	11
4	4	8	32	11
5	5	8	32	12
6	6	8	32	12
8	8	8	32	13
10	10	8	32	16
12	12	8	32	23
14	14	8	32	29

### ⊖100S-32



100S-32	T×W (mm)	D (mm)	L (mm)	(g)
6	1.0×6	8	32	10
8	1.2×8	8	32	12
9	1.6×9	8	32	12
11	1.6×11	8	32	15
12	2.0×12	8	32	18
14	2.0×14	8	32	21

### ⊖100S-80



100S-80	T×W (mm)	D (mm)	L (mm)	(g)
6	1.0×6	8	80	29
7	1.0×7	8	80	30
8	1.2×8	8	80	31
9	1.6×9	8	80	32
11	1.6×11	8	80	33
12	2.0×12	8	80	34

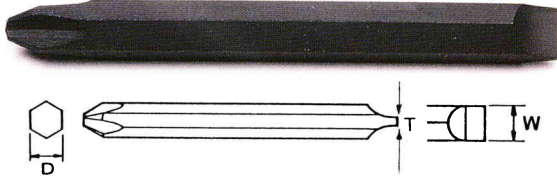
### ★100T-35



100T-35	D (mm)	L (mm)	(g)
T10	8	35	9
T15	8	35	9
T20	8	35	9
T25	8	35	10
T27	8	35	10
T30	8	35	11
T40	8	35	12

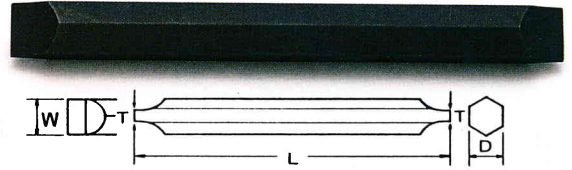
## Combined Bits

### ⊕⊖ 131PS-80



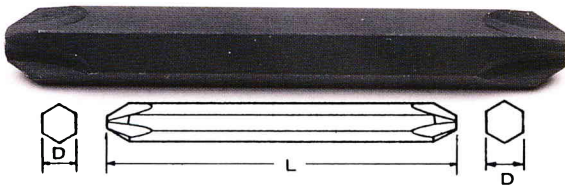
100PS-80	T×W (mm)	D (mm)	L (mm)	(g)
2	No.2×6 1.0×6	8	80	29
3	No.3×8 1.2×8	8	80	29

### ⊖⊖ 131S-80



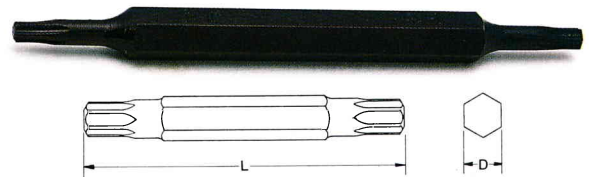
131S-80	T×W (mm)	D (mm)	L (mm)	(g)
6	1.0×6	8	80	29
7	1.0×7	8	80	29
8	1.2×8	8	80	30
9	1.6×9	8	80	31

### ⊕⊕ 131P-80



131P-80	D (mm)	L (mm)	(g)
1	No.1×No.2 8	80	28
2	No.2×No.3 8	80	29
3	No.3×No.3 8	80	29

### ⊗⊗ 131T-80



131T-80	D (mm)	L (mm)	(g)
T10×T15	8	80	27
T20×T25	8	80	27
T27×T30	8	80	28

# Koken® **IMPACT SOCKETS**

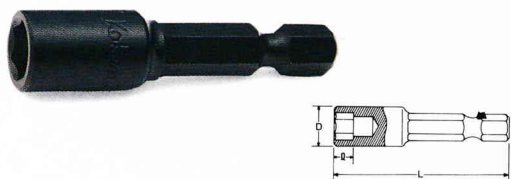
Please observe our safety advices pages 2 & 3





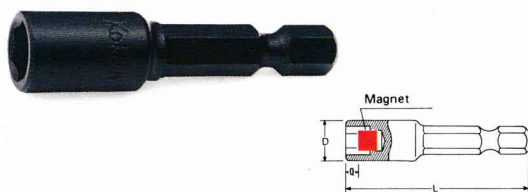
## Nut Setters

### 113



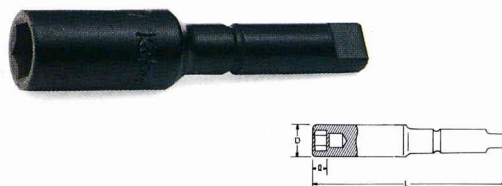
113 (mm)	113 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)
5.5		9	4	50	15
6	1/4	10	5	50	17
7		11	5	50	19
8	5/16	12	6	50	20
10	3/8	14	7	50	31
12		17	8	50	39
13	1/2	18	8	50	42

### 115 With Magnet



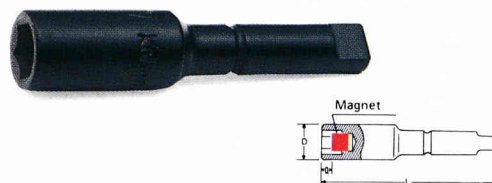
115 (mm)	115 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)
5.5		9	2.1	50	15
6	1/4	10	2.4	50	17
7		11	2.8	50	19
8	5/16	12	3.5	50	20
10	3/8	14	4.2	50	29
12		17	5.6	50	40
13		18	6.0	50	50

### 118



118 (mm)	118 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)
5.5		9	4	50	16
6	1/4	10	5	50	19
7		11	5	50	21
8	5/16	12	6	50	21
10	3/8	14	7	50	34
12		17	8	50	41
13	1/2	18	8	50	46

### 119 With Magnet



119 (mm)	119 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)
5.5		9	2.1	50	17
6	1/4	10	2.4	50	20
7		11	2.8	50	22
8	5/16	12	3.5	50	23
10	3/8	14	4.2	50	30
12		17	5.6	50	42
13		18	6.0	50	52

Nut Setter 113 and 115 fit on ARO, Atlas Copco, Black & Decker, Bosch, Deprag, Ingersoll, Makita, Premag, Skil, Stanley, Thor, Virax.

Nut Setter 118 and 119 fit on Baier, Fein.



# Adaptor

## 110-35/-50/-100/-150

1/4"M(4P)×1/4"M(6P)



- 110-35 L=35mm =9g
- 110-50 L=50mm =15g
- 110-100 L=100mm =34g
- 110-150 L=150mm =54g

## 117-50/-100



- 117-50 L=50mm =16g
- 117-100 L=100mm =36g

## 112-50/-100/-150

3/8"M(4P)×1/4"M(6P)



- 112-50 L=50mm =22g
- 112-100 L=100mm =71g
- 112-150 L=150mm =121g

## 120-50

3/8"M(4P)×5/16"M(6P)



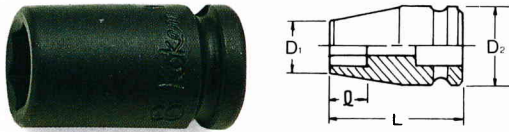
- L=50mm =26g

Adaptors 110 and 112 fit on ARO, Atlas Copco, Black & Decker, Bosch, Deprag, Gardner, Ingersoll, Makita, Premag, Skil, Stanley, Thor, Virax.

Adaptors 117 fit on Baier, Fein.  
Adaptors 120-50 fit on Fein, Ingersoll-Rand, Iskra, Perles.

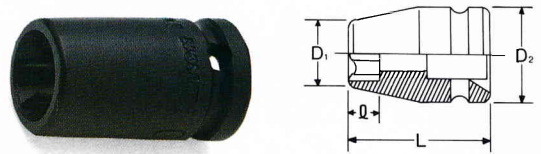
## Impact Sockets

### 12400M/12400A 6-point Sockets



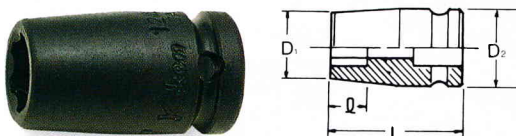
12400M (mm)	2400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
4		7.5	13	4	23	14
4.5	3/16	8.1	13	4	23	14
5		8.8	13	4	23	14
5.5		9.4	13	4	23	14
6	1/4	10.0	13	5	23	14
7	9/32	11.3	13	5	23	14
8	5/16	12.5	13	6	23	14
9	11/32	13.8	13	7	23	14
10	3/8	15.0	13	7	23	15
11	7/16	16.3	13	8	23	18
12		17.5	13	8	23	19
13	1/2	18.8	13	8	23	19
14	9/16	20.0	13	9	23	20

### 12425



12425	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E4	6.6	13	3.2	23	14
E5	7.7	13	3.2	23	15
E6	8.7	13	4.0	23	15
E7	9.2	13	4.8	23	15
E8	9.7	13	5.6	23	15
E10	12.2	13	6.4	23	15

### 12410M Surface Drive Sockets



12410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
6	10.0	13	5	23	14
7	11.3	13	5	23	15
8	12.5	13	6	23	15
9	13.8	13	7	23	14
10	15.0	13	7	23	14
11	16.3	13	8	23	17
12	17.5	13	8	23	19
13	18.8	13	8	23	19

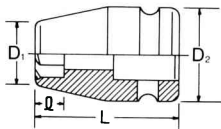
### 12400MG/12400AG 6-point Sockets (with Magnet)




12400MG (mm)	12400AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
4		7.5	13	2.1	23	12
5	3/16	8.8	13	2.1	23	15
6	1/4	10.0	13	2.4	23	16
7		11.3	13	2.8	23	16
8	5/16	12.5	13	3.5	25	17
9	11/32	13.8	13	3.8	27	18
10	3/8	15.0	13	4.2	28	18
11	7/16	16.3	13	4.9	29	21
12		17.5	13	5.6	30	21
13	1/2	18.8	13	6	30	21
14	9/16	20.0	13	6.4	30	20

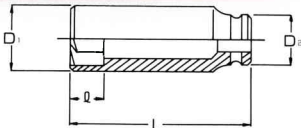
## Impact Sockets


 **12465M** PATHFINDER®



12465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
10	15.0	13	8	23	17
11	16.3	13	8	23	18
12	17.5	13	9	23	18
13	18.8	13	9	23	20

 **12365M** PATHFINDER®





12365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
10	15.0	13	8	48	34
11	16.3	13	8	48	46
12	17.5	13	9	48	49
13	18.8	13	9	48	52

The bevelled flats of the 6-point opening of the PATHFINDER® socket engage the nut almost immediately, thus speeding productivity as the power tool must not each time be started or be stopped, an advantage for all automatic assemblies.

## Accessories


**12760-55/-75** Extension Bar



- 12760-55 L=55mm =26g
- 12760-75 L=75mm =45g

**12233A** Adaptor



1/4"×3/8" L=22mm =15g

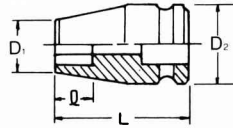
**12770** Universal Joint



L=41mm =30g

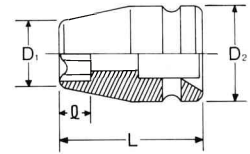
## Impact Sockets

### 13400M/13400A 6-point Sockets



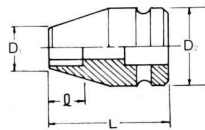
13400M (mm)	13400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
6	1/4	10.8	19	5	32	40
7		12.0	19	5	32	40
8	5/16	13.3	19	6	32	40
9		14.5	19	7	32	40
10	3/8	15.8	19	7	32	40
11	7/16	17.0	19	8	32	41
12		18.3	19	9	32	43
13	1/2	19.5	22	10	32	56
14	9/16	20.8	22	10	32	56
15		22.0	22	11	32	56
16	5/8	23.3	22	11	32	57
17	11/16	24.5	22	12	32	60
18		25.8	22	12	32	62
19	3/4	27.0	22	12	32	67
21	13/16	29.5	22	12	32	71
22	7/8	30.8	22	13	32	72
23		32.0	22	13	32	75

### 13425



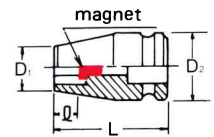
13425 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
E4	9.7	19	3.2	32	44
E5	10.2	19	3.2	32	43
E6	10.7	19	4.0	32	44
E7	11.2	19	4.8	32	44
E8	11.7	19	5.6	32	44
E10	12.2	19	6.4	32	42
E12	14.2	19	8.0	32	43
E14	17.2	19	8.8	32	44
E16	18.2	19	9.6	32	42

### 13410M Surface Drive Sockets



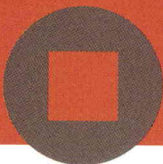
13410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
6	10.8	19	5	32	40
7	12.0	19	5	32	40
8	13.3	19	6	32	40
9	14.5	19	7	32	40
10	15.8	19	7	32	40
11	17.0	19	8	32	42
12	18.3	19	9	32	50
13	19.0	22	10	32	56
14	20.8	22	10	32	70
15	22.0	22	11	32	75

### 13400MG/13400AG 6-point Sockets



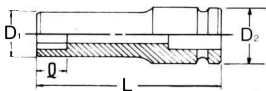
13400MG (mm)	13400AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
6	1/4	10.8	19	2.4	32	46
7		12.0	19	2.8	32	45
8	5/16	13.3	19	3.5	32	45
9	11/32	14.5	19	3.8	32	44
10	3/8	15.8	19	4.2	33	49
11	7/16	17.0	19	4.9	33	50
12		18.3	19	5.6	34	55
13	1/2	19.5	22	6	34	70
14	9/16	20.8	22	6.4	35	76
15		22.0	22	6.8	35	76
16	5/8	23.3	22	7	38	88
17	11/16	24.5	22	7.5	38	95
18		25.8	22	7.8	40	105
19	3/4	27.0	22	8	40	116


3/8"



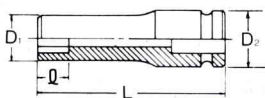
Impact Sockets


13300M/13300A 6-point Deep Sockets

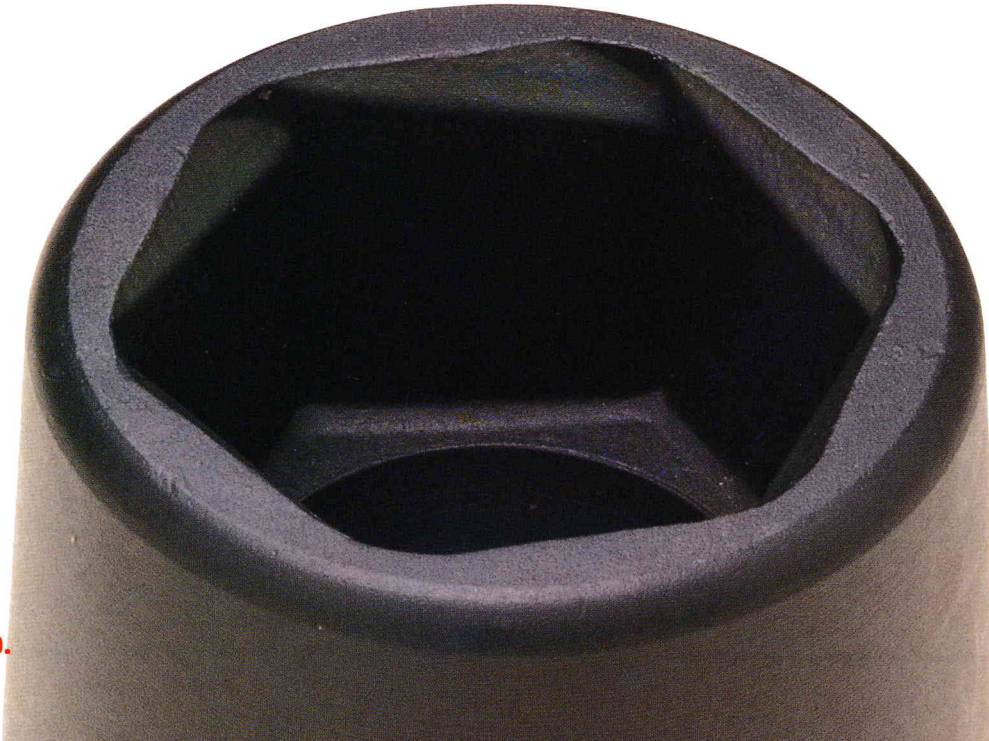


13300M13300A (mm)	(inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
6	1/4	10.8	19	6	80	77
7		12.0	19	7	80	82
8	5/16	13.3	19	8	80	88
9		14.5	19	9	80	88
10	3/8	15.8	19	10	80	94
11	7/16	17.0	19	11	80	110
12		18.3	19	12	80	111
13	1/2	19.5	22	13	80	138
14	9/16	20.8	22	14	80	148
15		22.0	22	15	80	157
16	5/8	23.3	22	16	80	156
17	11/16	24.5	22	17	80	168
18		25.8	22	18	80	190
19	3/4	27.0	22	19	80	192
20		28.3	22	20	80	224
21	13/16	29.5	22	21	80	226
22	7/8	30.8	22	22	80	231

13310M Surface Drive Sockets

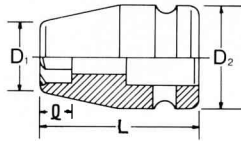


13310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
8	13.3	19	8	80	90
9	14.5	19	9	80	90
10	15.8	19	10	80	97
11	17.0	19	11	80	110
12	18.3	19	12	80	105
13	19.5	22	13	80	135
14	20.8	22	14	80	145
15	22.0	22	15	80	160



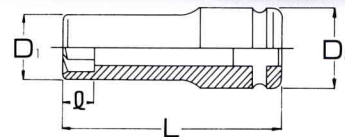
## Impact Sockets

### 13465M PATHFINDER®



13465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
10	15.8	19	8	32	43
11	17.0	19	8	32	44
12	18.3	19	9	32	47
13	19.5	22	9	32	55
14	20.8	22	11	32	56
15	22.0	22	11	32	56
16	23.3	22	11	32	57
17	24.5	22	12	32	60
19	27.0	22	13	32	66

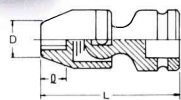
### 13365M PATHFINDER®



13365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
10	15.8	19	8	80	99
11	17.0	19	8	80	108
12	18.3	19	9	80	110
13	19.5	22	9	80	142
14	20.8	22	11	80	144
15	22.0	22	11	80	150
16	23.3	22	11	80	159
17	24.5	22	12	80	170
19	27.0	22	13	80	203

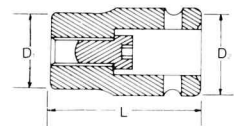
The bevelled flats of the 6-point opening of the PATHFINDER® socket engage the nut almost immediately, thus speeding productivity as the power tool must not each time be started or be stopped, an advantage for all automatic assemblies.

### 13440M/13440A Universal Sockets



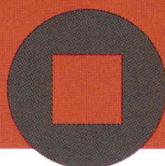
13440M (mm)	13440A (inch)	D (mm)	ℓ (mm)	L (mm)	(g)
10	3/8	15.8	5	57	115
11	7/16	17.0	6	57	115
12		18.3	6	57	115
13	1/2	19.5	6	57	115
14	9/16	20.8	7	59	120
15		22.0	7	59	120
16	5/8	23.3	8	59	120
17	11/16	24.5	8	59	120
18		25.8	9	61	126
19	3/4	27.0	10	61	130

### 13103M Stud Bolt Setters



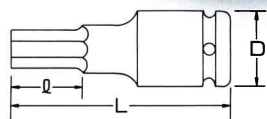
13103M	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
M5×0.8	14	19	6	33	46
M6×1	15	19	6	37	54
M8×1.25	16	19	9	41	58

# 3/8"



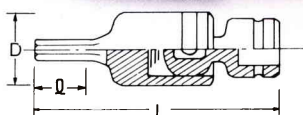
## Impact Sockets

### 13012M-52 Hex Sockets



13012M-52 (mm)	D (mm)	l (mm)	L (mm)	(g)
4	18	15.5	52	35
5	18	15.5	52	38
6	18	15.5	52	39
8	21	15.5	52	60
10	21	15.5	52	70
12	21	15.5	52	79

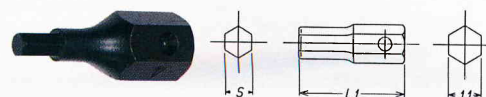
### 13430M Universal Hex Joint



13430M (mm)	D (mm)	l (mm)	L (mm)	(g)
5	24	15	74	120
6	24	15	74	131
8	24	20	74	136
10	24	20	74	141

### 13105-11 Hex Sockets

107-11



13105



13105-11






107-11 (mm)	S (mm)	L <sub>1</sub> (mm)	(g)
3	3	35	17
4	4	35	17
5	5	35	18
6	6	35	19
7	7	35	20
8	8	35	22
10	10	35	26
12	12	35	31
14	14	35	38
17	17	35	50
19	19	35	58

13105-11 (mm)	S (mm)	L (mm)	(g)
3	3	54	87
4	4	54	87
5	5	54	88
6	6	54	89
7	7	54	90
8	8	54	92
10	10	54	96
12	12	54	101
14	14	54	108
17	17	54	120
19	19	54	128

## Accessories


### 13760-75/-125/-250 Extension Bar



- 13760-75 L=75mm  =95g
- 13760-125 L=125mm  =141g
- 13760-250 L=250mm  =210g


### 13322A Adaptor



凹3/8"×凸1/4" L=25mm  =25g


### 13770 Universal Joint



L=56mm  =110g


### 13344A Adaptor




凹3/8"×凸1/2" L=32.5mm  =53g

### 13771 Impact Universal Joint with 7 facets for higher torque



L=54mm  =90g

Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## Impact Socket Sets

### 13241M

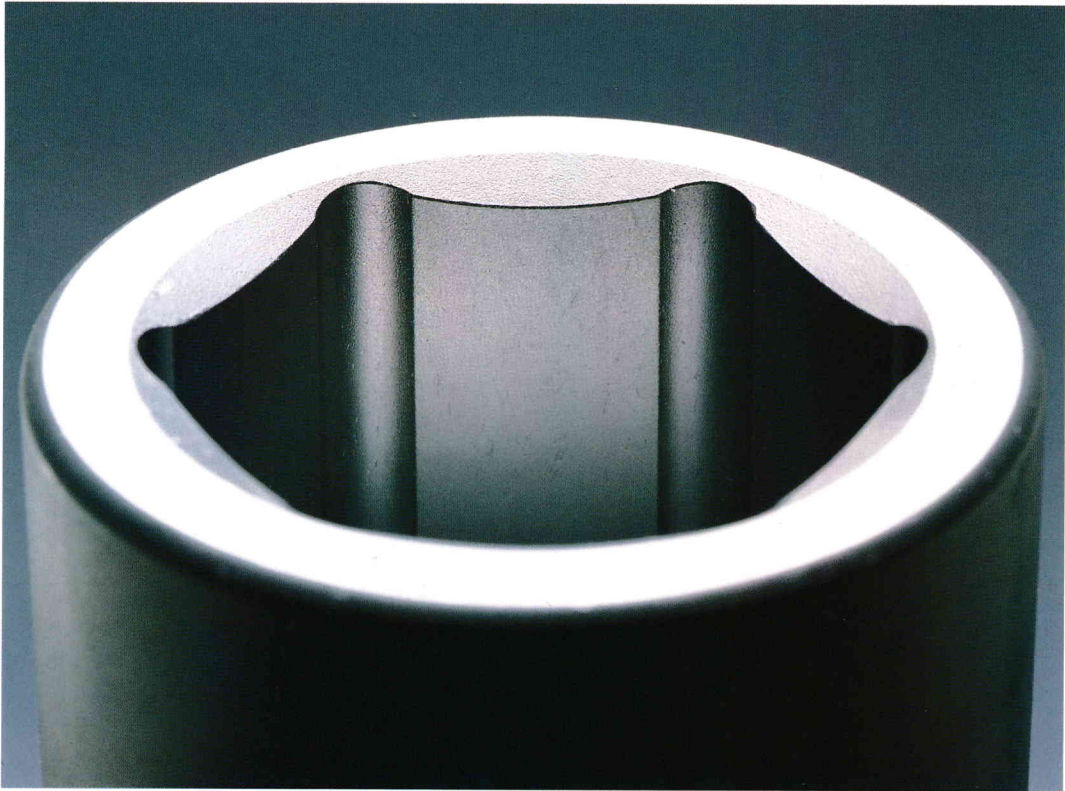


13241M : 11Pieces Set		⚖️=800g
Sockets	13400M:6-point Sockets- 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
METAL CASE : 245×30×35mm		

### 13242M



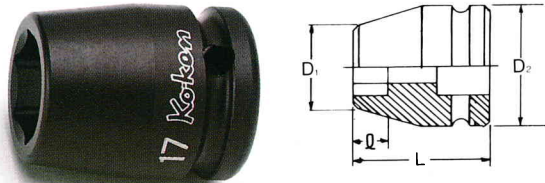
13242M : 11Pieces Set		⚖️=1,140g
Sockets	13400M:6-point Sockets- 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	
METAL CASE : 310×90×48mm		




# 1/2"

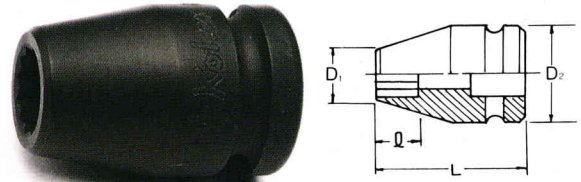
## Impact Sockets


### 14400M/14400A 6-point Sockets



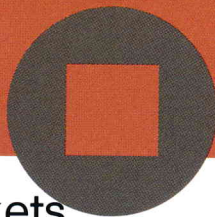
14400M (mm)	14400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
8	5/16	14.5	25	6	38	85
9		15.7	25	7	38	85
10	3/8	17.0	25	7	38	85
11	7/16	18.2	25	8	38	85
12		19.5	25	9	38	85
13	1/2	20.7	25	10	38	85
14	9/16	22.0	25	10	38	85
15		23.2	30	11	38	130
16	5/8	24.5	30	11	38	130
17	11/16	25.7	30	12	38	130
18		27.0	30	13	38	130
19	3/4	28.2	30	13	38	125
21	13/16	30.7	30	14	38	120
22	7/8	32.0	30	14	38	130
23		33.2	30	14	38	130
24	15/16	34.5	30	14	38	135
	1	35.7	30	14	38	135
26		37.0	30	14	38	160
27	1-1/16	38.2	30	16	40	160
28		39.5	30	16	40	170
29	1-1/8	40.7	30	17	42	190
30	1-3/16	42.0	30	17	42	190
32	1-1/4	44.5	30	18	42	190

### 14405M 12-point Sockets



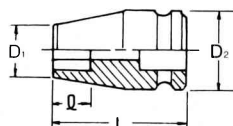
14405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
9	15.7	25	7	38	85
10	17.0	25	7	38	85
12	19.5	25	9	38	84
13	20.7	25	10	38	84
14	22.0	25	10	38	84
15	23.2	30	11	38	130
17	25.7	30	12	38	128
19	28.2	30	13	38	125


# 1/2"



## Impact Sockets

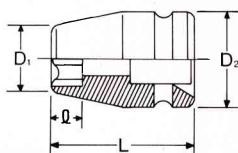
### 14410M Surface Drive Sockets




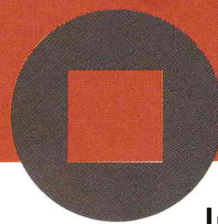
14410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
10	17.0	25	7	38	100
11	18.2	25	8	38	103
12	19.5	25	9	38	110
13	20.7	25	10	38	113
14	22.0	25	10	38	115
15	23.2	30	11	38	120
16	24.5	30	11	38	120
17	25.7	30	12	38	126
19	28.2	30	13	38	124
22	32.0	30	14	38	130
24	34.5	30	14	38	134
27	38.2	30	16	40	160
30	42.0	30	17	42	190
32	44.5	30	18	42	190



### 14425



14425	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	 (g)
E10	14.2	25	6.4	38	86
E12	15.2	25	8.0	38	85
E14	18.2	25	8.8	38	88
E16	19.2	25	9.6	38	88
E18	22.2	25	11.1	38	89
E20	24.2	30	12.7	38	134




# 1/2"

## Impact Sockets


### 14300M/14300A 6-point Deep Sockets



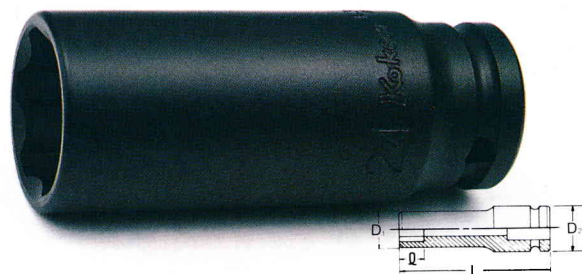
14300M	14300A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
8	5/16	14.5	25	8	80	137
9		15.7	25	9	80	138
10	3/8	17.0	25	10	80	140
11	7/16	18.2	25	11	80	156
12		19.5	25	12	80	162
13	1/2	20.7	25	13	80	162
14	9/16	22.0	25	14	80	174
15		23.2	30	15	80	235
16	5/8	24.5	30	16	80	232
17	11/16	25.7	30	17	80	258
18		27.0	30	18	80	272
19	3/4	28.2	30	19	80	259
21	13/16	30.7	30	21	80	272
22	7/8	32.0	30	22	85	319
23		33.2	30	23	85	340
24	15/16	34.5	30	24	85	329
	1	35.7	30	25	85	345
26		37.0	30	26	85	400
27	1-1/16	38.2	30	27	85	385
28		39.5	30	28	85	390
29	1-1/8	40.7	30	29	85	416
30		42.0	30	30	85	457
32	1-1/4	44.5	30	32	85	542


### 14301M/14301A 6-point Extra Thin Walled Deep Sockets



14301M	14301A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
10	3/8	15.5	25	10	80	137
11	7/16	16.7	25	11	80	145
12		18.0	25	12	80	147
13	1/2	19.2	25	13	80	151
14	9/16	20.5	25	14	80	158
15		21.7	30	15	80	218
16	5/8	23.0	30	16	80	220
17	11/16	24.2	30	17	80	223
19	3/4	26.7	30	19	80	245
21	13/16	29.2	30	21	80	253
22	7/8	30.5	30	22	85	260
23		31.7	30	23	85	267
24	15/16	33.0	30	24	85	277
26		35.5	30	26	85	303
27	1-1/16	36.7	30	27	85	327

### 14310M Surface Drive Sockets



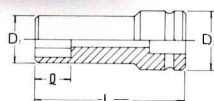
14310M	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(mm)	(mm)	(mm)	(mm)	(g)
10	17.0	25	10	80	136
11	18.2	25	11	80	148
12	19.5	25	12	80	156
13	20.7	25	13	80	158
14	22.0	25	14	80	170
15	23.2	30	15	80	225
16	24.5	30	16	80	228
17	25.7	30	17	80	250
19	28.2	30	19	80	252
22	32.0	30	22	85	314
24	34.5	30	24	85	322
27	38.2	30	27	85	380
30	42.0	30	30	85	450

**Koken** TOOL CO., LTD.

# 1/2"

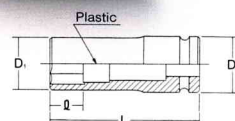
## Impact Sockets

### 14113M For Hub Cap Screws



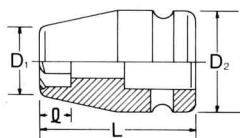
14113M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
17	25.7	30	34	80	230
19	28.2	30	38	80	262

### 14113J For Hub Cap Screws, with plastic stop



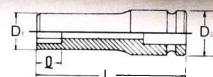
14113J (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
17	25.7	30	14	80	251
19	28.2	30	16	80	280
21	30.7	30	20	80	309

### 14465M PATHFINDER®



14465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
10	17.0	25	8	38	89
11	18.2	25	8	38	87
12	19.5	25	9	38	87
13	20.7	25	9	38	86
14	22.0	25	11	38	86
15	23.2	30	11	38	131
16	24.5	30	11	38	131
17	25.7	30	12	38	132
19	28.2	30	13	38	128
20	29.5	30	14	38	125
22	32.0	30	15	38	130
24	34.5	30	15	38	133
26	37.0	30	15	38	152
27	38.2	30	16	40	169

### 14365M PATHFINDER®



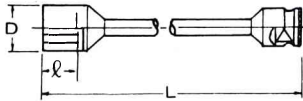
14365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
10	17.0	25	8	80	138
11	18.2	25	8	80	144
12	19.5	25	9	80	165
13	20.7	25	9	80	170
14	22.0	25	11	80	178
15	23.2	30	11	80	237
16	24.5	30	11	80	245
17	25.7	30	12	80	263
19	28.2	30	13	80	270
20	29.5	30	14	80	274
22	32.0	30	15	85	314
24	34.5	30	15	85	335
26	37.0	30	15	85	388
27	38.2	30	16	85	407

The bevelled flats of the 6-point opening of the PATHFINDER® socket engage the nut almost immediately, thus speeding productivity as the power tool must not each time be started or be stopped, an advantage for all automatic assemblies.

# 1/2"

## Impact Sockets

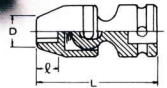
### 14101M Torsion Bars (for tightening only)



14101M (mm)	D (mm)	l (mm)	L (mm)	(g)
17×60Nm	25.7	12	216	227
17×75Nm	25.7	12	228	240
17×95Nm	25.7	12	214	256
17×120Nm	25.7	12	213	284
19×60Nm	28.2	13	219	237
19×90Nm	28.2	13	223	275
19×120Nm	28.2	13	216	297
19×170Nm	28.2	13	210	332
21×100Nm	30.7	14	214	288

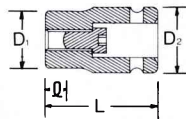
As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

### 14440M/14440A Universal Sockets



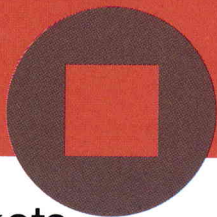
14440M (mm)	14440A (inch)	D (mm)	l (mm)	L (mm)	(g)
13	1/2	20.7	6	67.5	210
14	9/16	22.0	7	69.5	210
15		23.2	7	69.5	210
	5/8	24.5	8	69.5	206
17	11/16	25.7	8	69.5	220
19	3/4	28.2	10	71.5	220
22		32.0	13	71.5	234

### 14103M Stud Bolt Setters



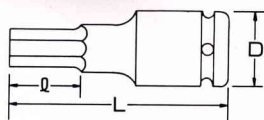
14103M	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	l (mm)	L (mm)	(g)
M6×1	20	25	6	43	108
M8×1.25	22	25	9	43	116
M10×1.5	25	25	13	50	150
M12×1.75	25	25	13.5	50	147


# 1/2"



## Impact Sockets

### 14012M-60 Hex Sockets



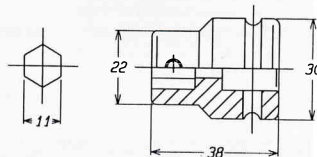
14012M-60 (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)
4	24	15.5	60	68
5	24	15.5	60	71
6	24	15.5	60	74
8	24	15.5	60	84
10	24	15.5	60	91
12	24	15.5	60	103
14	25	15.5	60	127
17	25	15.5	60	140
19	25	15.5	60	168

### 14105-11 Hex Sockets

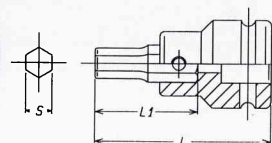
107-11





14105

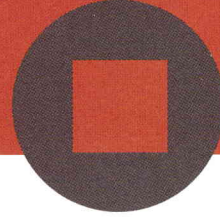


14105-11



107-11 (mm)	S (mm)	L <sub>1</sub> (mm)	 (g)
5	5	35	16
6	6	35	18
7	7	35	19
8	8	35	20
10	10	35	26
12	12	35	31
14	14	35	38
17	17	35	50
19	19	35	56

14105-11 (mm)	S (mm)	L (mm)	 (g)
5	5	61	142
6	6	61	144
7	7	61	145
8	8	61	146
10	10	61	152
12	12	61	157
14	14	61	164
17	17	61	176
19	19	61	182



# 1/2"

## Accessories

### 14760-75/125/175/250 Extension Bar



•14760-75 L=75mm =188g

•14760-125 L=125mm =275g

•14760-175 L=175mm =358g

•14760-250 L=250mm =480g

### 14770 Universal Joint



L=74mm =210g

### 14771 Impact Universal Joint with 7 facets for higher torque



L=68mm =205g

### 14433A Adaptor



凹1/2" × 凸3/8" L=36mm =68g

### 14455A Adaptor



凹1/2" × 凸5/8" L=42mm =135g

### 14466A Adaptor



凹1/2" × 凸3/4" L=44mm =146g

Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

# 1/2"



## Impact Socket Sets

### 14241M



14241M:13Pieces Set		⚖️=2,000g
Sockets	14400M:6-point Sockets- 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	
METAL CASE:196×101×41mm		

### 14242M



14242M:12Pieces Set		⚖️=1,890g
Sockets	14400M:6-point Sockets- 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27	
METAL CASE:310×90×48mm		

### 14240M

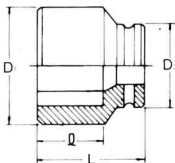



14240M:98Pcs.set		⚖️=13,600g
Sockets		
14400M:6-point Sockets		
10mm:8Pcs.	14mm:8Pcs.	21mm:7Pcs.
11mm:8Pcs.	15mm:7Pcs.	22mm:6Pcs.
12mm:8Pcs.	16mm:7Pcs.	23mm:6Pcs.
13mm:8Pcs.	17mm:7Pcs.	24mm:6Pcs.
	19mm:7Pcs.	27mm:5Pcs.
METAL CASE:510×150×230mm		

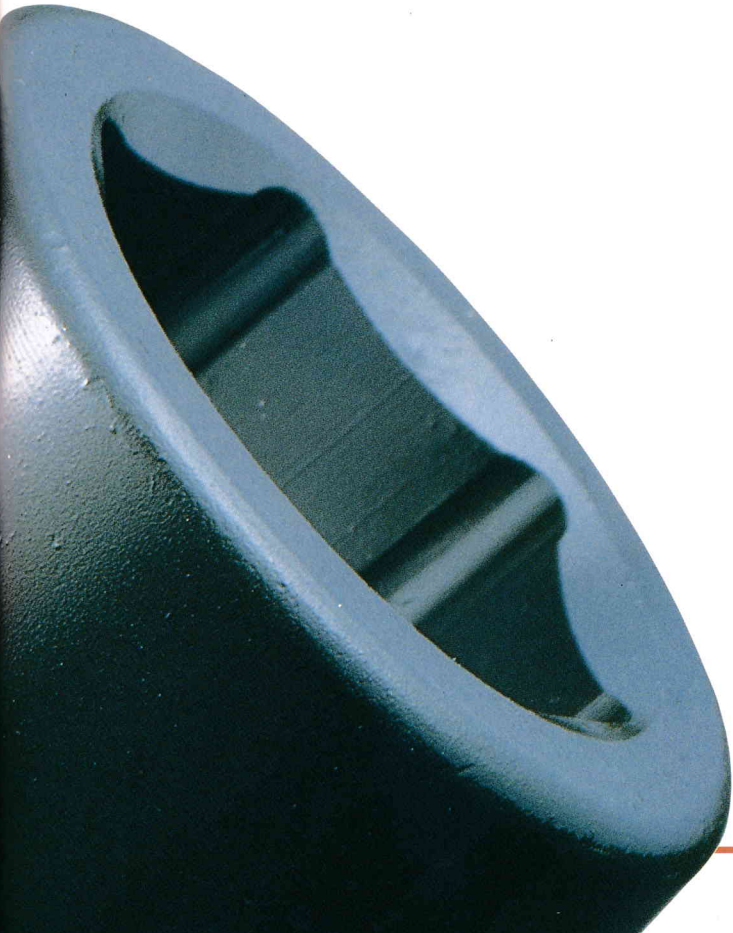
3/4"

Impact Sockets

16400M/16400A 6-point Sockets



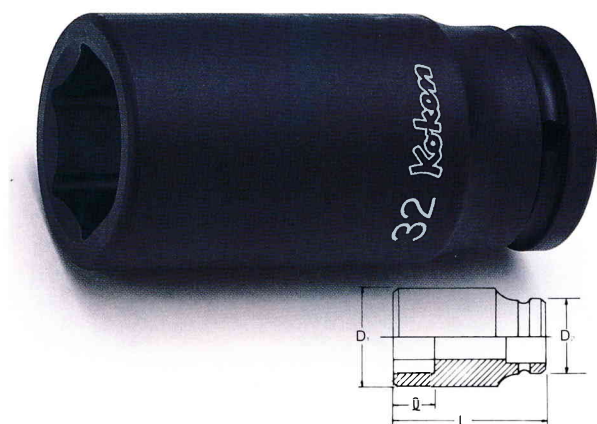
16400M	16400A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
17	11/16	30.0	44	12	50	355
18		31.3	44	13	50	372
19	3/4	32.5	44	13	50	360
20		33.8	44	14	50	375
21	13/16	35.0	44	15	50	374
22	7/8	36.3	44	15	50	373
23		37.5	44	16	50	373
24	15/16	38.8	44	16	50	370
25	1	40.0	44	16	50	374
26		41.3	44	16	50	378
27	1-1/16	42.5	44	16	50	375
28		43.8	44	16	50	383
29	1-1/8	45.0	44	18	53	412
30	1-3/16	46.3	44	18	53	410
31		47.5	44	18	53	426
32	1-1/4	48.8	44	19	53	428
33		50.0	44	20	55	470
34	1-5/16	51.3	44	20	55	490
35	1-3/8	52.5	44	20	55	494
36		53.8	44	20	55	498
	1-7/16	55.0	44	20	55	526
38	1-1/2	56.3	44	20	57	558
	1-9/16	58.8	44	20	57	598
41	1-5/8	60.0	44	22	57	572
42		61.3	44	22	57	617
	1-11/16	62.5	44	23	62	720
	1-3/4	65.0	44	23	62	757
46	1-13/16	66.3	44	23	62	755
	1-7/8	68.8	44	23	62	805
	1-15/16	70.0	44	23	62	816
50		71.3	44	30	62	790
	2	72.5	44	30	62	848
	2-1/16	73.8	44	29	62	870
54	2-1/8	76.3	44	29	62	910
55	2-3/16	77.5	44	29	62	990
	2-1/4	80.0	44	32	65	1032
58	2-5/16	81.3	44	31	65	1091
60	2-3/8	83.8	44	31	65	1050



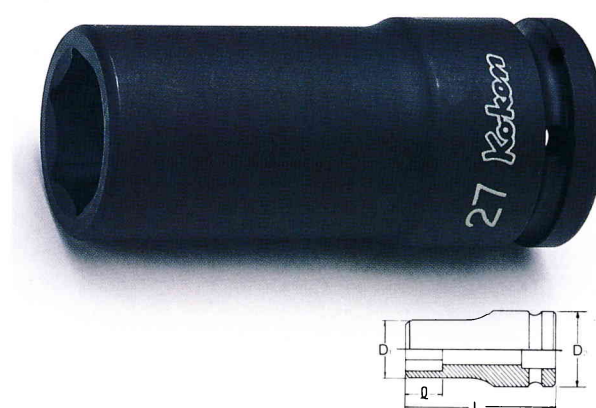
# 3/4"

## Impact Sockets

### 16300M/16300A 6-point Deep Sockets



### 16301M Extra Thin Walled Sockets for Wheel Nuts

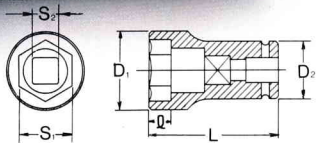


16300M (mm)	16300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
17		30.0	44	17	100	544
18		31.3	44	18	100	642
19	3/4	32.5	44	19	100	655
20		33.8	44	20	100	680
21	13/16	35.0	44	21	100	700
22	7/8	36.3	44	22	100	700
23		37.5	44	23	100	720
24	15/16	38.8	44	24	100	705
25	1	40.0	44	25	100	715
26		41.3	44	26	100	760
27	1-1/16	42.5	44	27	100	765
28		43.8	44	28	100	800
29	1-1/8	45.0	44	29	100	835
30	1-3/16	46.3	44	30	100	840
31		47.5	44	31	100	815
32	1-1/4	48.8	44	32	100	875
33		50.0	44	33	100	920
34	1-5/16	51.3	44	34	100	950
35	1-3/8	52.5	44	35	100	980
36		53.8	44	36	100	960
37	1-7/16	55.0	44	37	100	970
38	1-1/2	56.3	44	38	100	990
	1-9/16	58.8	44	38	100	1060
41	1-5/8	60.0	44	38	100	1120
42		61.3	44	38	100	1153
	1-11/16	62.5	44	38	100	1200
	1-3/4	65.0	44	38	100	1284
46	1-13/16	66.3	44	38	100	1305
	1-7/8	68.8	44	38	100	1368
50		71.3	44	61	100	1230
	2	72.5	44	60	100	1348

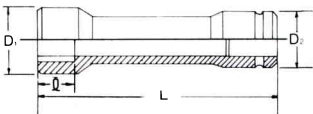
16301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
17	28.0	44	17	100	555
19	30.5	44	19	100	580
22	34.3	44	22	100	620
24	36.8	44	24	100	640
27	40.5	44	27	100	690
29	43.0	44	29	100	685
30	44.3	44	30	100	720
32	46.8	44	32	100	810
33	48.0	44	33	100	800
36	51.8	44	36	100	830
38	54.3	44	38	100	812

## Impact Sockets

### 16316M/16316A Rear Wheel Nut Sockets



### 16102M Extra long Impact Sockets for Wheel Nuts



16102M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
24	38.8	44	24	270	1034
27	42.5	44	27	270	1088
30	46.3	44	30	270	1144
32	48.8	44	32	270	1157
33	50.0	44	32	270	1200
36	53.8	44	32	270	1250

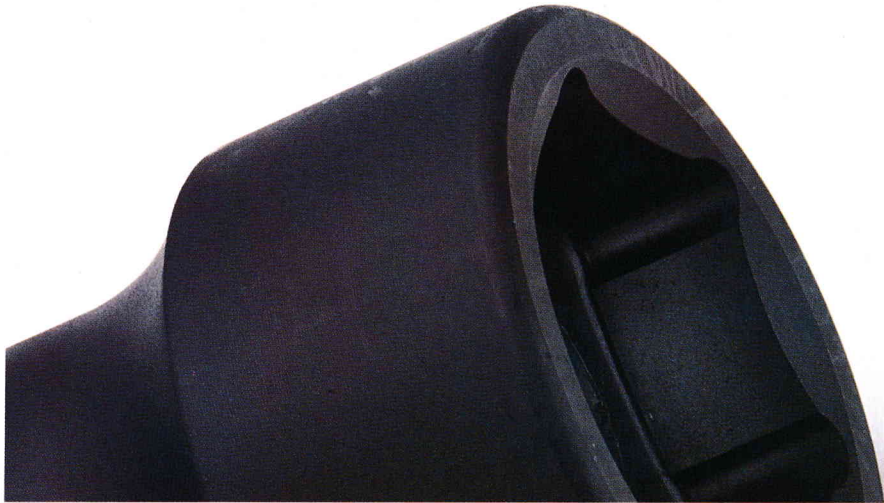
16316M S <sub>1</sub> ×S <sub>2</sub> (mm)	16316A S <sub>1</sub> ×S <sub>2</sub> (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
35×17		52	44	10	90	865
38×20		56	44	13	100	952
	1-1/2×13/16	56	44	13	100	940
41×19		59	44	12	100	1037
41×21		59	44	12	100	983

※35×17: Daihatsu Delta 2~3.5 ton, Nissan Atlas 2~3 ton,  
Mazda Titan 1.5~2 ton, Isuzu Elf 2~3.5 ton,  
Hino Ranger 2~3.5 ton.

38×20: Mitsubishi Canter 2~3.5 ton.

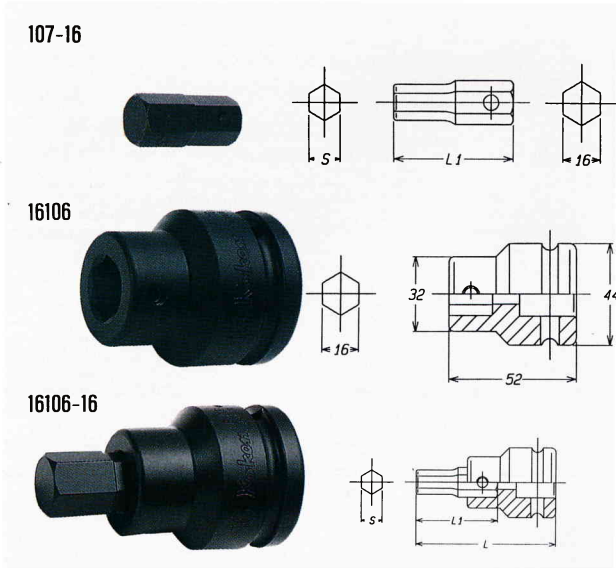
41×19: Mazda Titan 3~4 ton.

41×21: Fuso, Isuzu, Nissan, Hino: 4 ton and bigger.



Impact Sockets

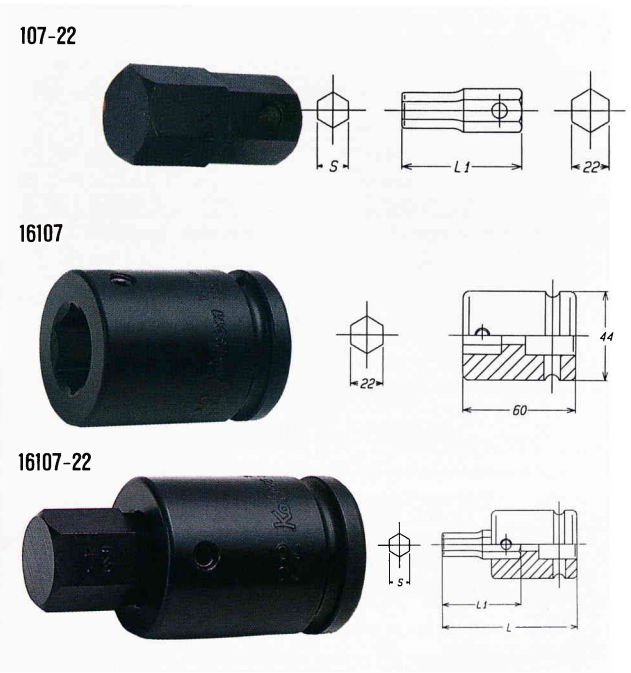
16106-16 Hex Sockets



107-16 (mm)	S (mm)	L <sub>1</sub> (mm)	(g)
10	10	40	46
12	12	40	52
14	14	40	60
17	17	40	73
19	19	40	80
22	22	40	97

16106-16 (mm)	S (mm)	L (mm)	(g)
10	10	76	416
12	12	76	422
14	14	76	430
17	17	76	443
19	19	76	450
22	22	76	473




16107-22 Hex Sockets



107-22 (mm)	S (mm)	L <sub>1</sub> (mm)	(g)
19	19	50	140
22	22	50	162
24	24	50	176
27	27	50	200
32	32	50	243


16107-22 (mm)	S (mm)	L (mm)	(g)
19	19	87.5	670
22	22	87.5	692
24	24	87.5	706
27	27	87.5	730
32	32	87.5	783

### 16760-175/-250/-330 Extension Bar

- 16760-175 L=175mm  =870g
- 16760-250 L=250mm  =1,150g
- 16760-330 L=330mm  =1,460g




### 16770 Universal Joint

L=106mm  =720g






### 16771 Impact Universal Joint with 7 facets for higher torque


L=105mm  =750g



### 16644A /16655A /16688A Adaptor

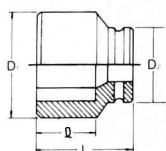
- 16644A  $\frac{3}{4} \times \frac{1}{2}$ " L=52mm  =175g
- 16655A  $\frac{3}{4} \times \frac{5}{8}$ " L=53mm  =336g
- 16688A  $\frac{3}{4} \times 1$ " L=62mm  =435g





Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

## Impact Sockets

# 18400M/18400A 6-point Sockets



18400M	18400A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
19	3/4	35.3	54	13	57	590
21	13/16	37.8	54	15	57	605
22	7/8	39.0	54	15	57	620
23		40.3	54	16	57	615
24	15/16	41.5	54	16	57	627
25	1	42.8	54	16	57	620
26		44.0	54	16	57	640
27	1-1/16	45.3	54	16	57	627
28		46.5	54	16	57	640
29	1-1/8	47.8	54	18	57	657
30	1-3/16	49.0	54	21	62	657
31		50.3	54	21	62	687
32	1-1/4	51.5	54	21	62	685
33		52.8	54	21	62	685
34	1-5/16	54.0	54	21	62	690
35	1-3/8	55.3	54	21	62	710
36		56.5	54	21	62	712
	1-7/16	57.8	54	21	62	735
38	1-1/2	59.0	54	25	66	720
40	1-9/16	61.5	54	25	66	850

18400M	18400A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
41	1-5/8	62.8	54	25	66	850
42		64.0	54	25	66	905
	1-11/16	65.3	54	27	68	977
45	1-3/4	67.8	54	27	68	963
46	1-13/16	69.0	54	29	70	1010
	1-7/8	71.5	54	35	70	990
	1-15/16	72.8	54	35	70	1022
50		74.0	54	35	70	1065
	2	75.3	54	35	70	1060
52	2-1/16	76.5	54	40	75	1185
	2-1/8	79.0	54	40	75	1252
55	2-3/16	80.3	54	39	75	1260
56		81.5	54	39	75	1277
	2-1/4	82.8	54	39	75	1337
58	2-5/16	84.0	54	39	75	1340
60	2-3/8	86.5	54	39	75	1400
	2-7/16	89.0	54	38	75	1410
63		90.3	54	38	75	1383
	2-1/2	91.5	54	38	75	1498
65	2-9/16	92.8	54	38	75	1630
	2-5/8	95.3	54	38	75	1580
68	2-11/16	96.5	54	37	75	1583
70	2-3/4	99.0	54	37	75	1625
	2-13/16	101.5	54	37	75	1615
	2-7/8	102.8	54	40	80	1917
75	2-15/16	105.3	54	39	80	2000
	3	106.5	54	39	80	1895
	3-1/16	109.0	54	44	85	1997
80	3-1/8	111.5	54	44	85	2130
	3-1/4	115.3	54	47	90	2210
85		117.8	54	46	90	2370
	3-3/8	119.0	54	46	90	2440
90	3-1/2	124.0	54	51	95	3000

## Impact Sockets

# 18300M/18300A 6-point Deep Sockets



18300M (mm)	18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
19	3/4	35.3	54	19	108	1010
22	7/8	39.0	54	22	108	1010
23		40.3	54	23	108	1063
24	15/16	41.5	54	24	108	1060
25	1	42.8	54	25	108	1085
26		44.0	54	26	108	1133
27	1-1/16	45.3	54	27	108	1125
28		46.5	54	28	108	1140
29	1-1/8	47.8	54	29	108	1120
30	1-3/16	49.0	54	30	108	1179
31		50.3	54	31	108	1125
32	1-1/4	51.5	54	32	108	1200
33		52.8	54	33	108	1200
34	1-5/16	54.0	54	34	108	1280
35	1-3/8	55.3	54	35	108	1300
36		56.5	54	36	108	1280
	1-7/16	57.8	54	37	108	1320
38	1-1/2	59.0	54	38	108	1423
	1-9/16	61.5	54	38	108	1415

# 18301M/18301A

Extra Thin Walled Sockets for Wheel Nuts



18300M (mm)	18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
41	1-5/8	62.8	54	38	108	1450
42		64.0	54	38	108	1550
	1-11/16	65.3	54	38	108	1577
	1-3/4	67.8	54	38	108	1660
46	1-13/16	69.0	54	38	108	1680
	1-7/8	71.5	54	67	108	1500
	1-15/16	72.8	54	67	108	1570
50		74.0	54	66	108	1650
	2	75.3	54	66	108	1605
52	2-1/16	76.5	54	65	108	1770
	2-1/8	79.0	54	64	108	1812
55	2-3/16	80.3	54	63	108	1855
	2-1/4	82.8	54	62	108	1916
	2-5/16	84.0	54	61	108	1987
60	2-3/8	86.5	54	60	108	2047
	2-7/16	89.0	54	59	108	2041
	2-1/2	91.5	54	58	108	2250
65	2-9/16	92.8	54	58	108	2310
	2-5/8	95.3	54	56	108	2370
70	2-3/4	99.0	54	55	108	2440
	2-7/8	102.8	54	53	108	2535
75		105.3	54	52	108	2640
	3	106.5	54	51	108	2750
	3-1/16	109.0	54	50	108	3020
80	3-1/8	111.5	54	49	108	2880

18301M (mm)	18301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
22	7/8	36.0	54	22	108	950
24	15/16	38.5	54	24	108	950
27	1-1/16	42.3	54	27	108	980
30	1-3/16	46.0	54	30	108	1070
32	1-1/4	48.5	54	32	108	1100
33		49.8	54	33	108	1100
34	1-5/16	51.0	54	34	108	1100
35	1-3/8	52.3	54	35	108	1094
36		53.5	54	36	108	1140
38	1-1/2	56.0	54	38	108	1230
41	1-5/8	59.8	54	38	108	1260

## Impact Sockets

### 18450M

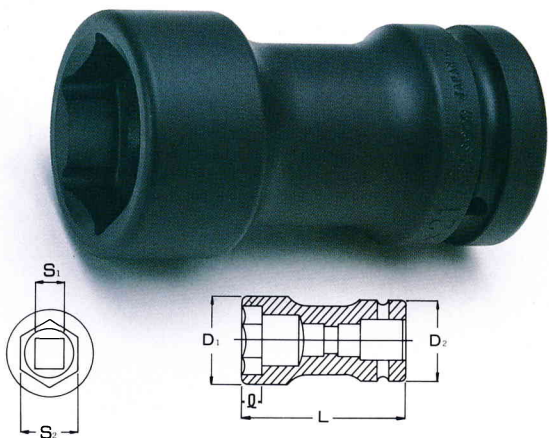
Impact Nut Grip Socket (Gran Turismo)



18450M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
75	103	54	39	80	1867
90	119	54	30	75	2182

### 18316M/18316A

Rear Wheel Nut Sockets



18316M S <sub>1</sub> × S <sub>2</sub> (mm)	18316A S <sub>1</sub> × S <sub>2</sub> (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
35 × 17		52	54	10	108	1153
38 × 20		56	54	13	108	1133
	1-1/2 × 13/16	59	54	13	108	1120
41 × 19		59	54	12	108	1200
41 × 21		59	54	10	108	1155

※35×17: Daihatsu Delta 2~3.5 ton, Nissan Atlas 2~3 ton,  
Mazda Titan 1.5~2 ton, Isuzu Elf 2~3.5 ton,  
Hino Ranger 2~3.5 ton,  
38×20: Mitsubishi Canter 2~3.5 ton.  
41×19: Mazda Titan 3~4 ton.  
41×21: Fuso, Isuzu, Nissan, Hino: 4 ton and bigger.



## Impact Sockets

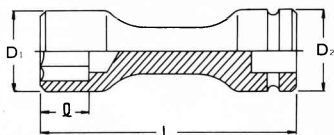
### 18101M Torsion Bars (for tightening only)



18101M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
27×350Nm	45.3	54	27	300	1401
27×450Nm	45.3	54	30	300	1579
30×500Nm	49.0	54	32	300	1563
32×450Nm	51.5	54	32	300	1600
32×600Nm	51.5	54	32	300	1602
33×600Nm	52.8	54	32	300	1638
36×600Nm	56.5	54	32	300	1718

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

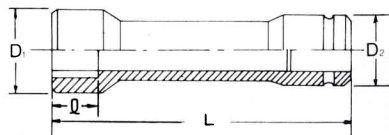
### 18104M Special Sockets for Spring Clamps



18104M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
24	41.5	54	24	170	1327
27	45.3	54	27	170	1375
28	46.5	54	28	170	1390
30	49.0	54	30	170	1407
32	51.5	54	32	170	1537
33	52.8	54	33	170	1590
34	54.0	54	34	170	1670
36	56.5	54	36	170	1800

### 18102M-270/400

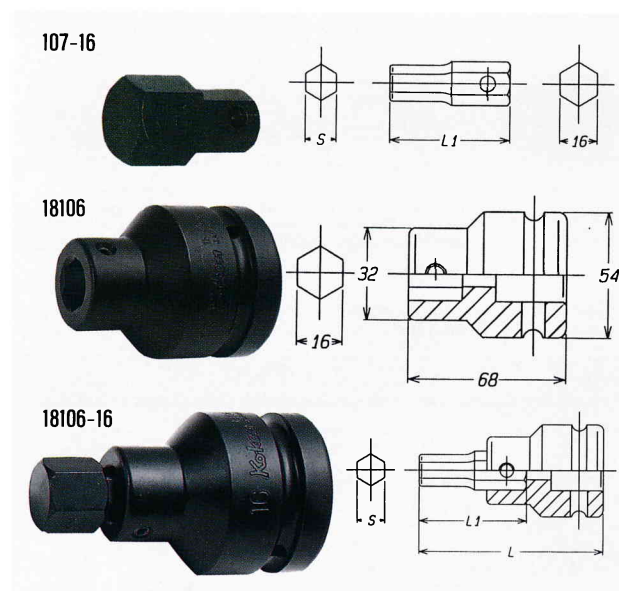
Extra long Impact Sockets for Wheel Nuts





18102M-270 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
23	40.3	54	23	270	1627
24	41.5	54	24	270	1628
26	40.0	54	26	270	1667
27	45.3	54	27	270	1980
29	47.8	54	29	270	1986
30	49.0	54	30	270	1974
32	51.5	54	32	270	2030
33	52.8	54	32	270	2030
36	56.5	54	32	270	2150
38	59.0	54	32	270	1822

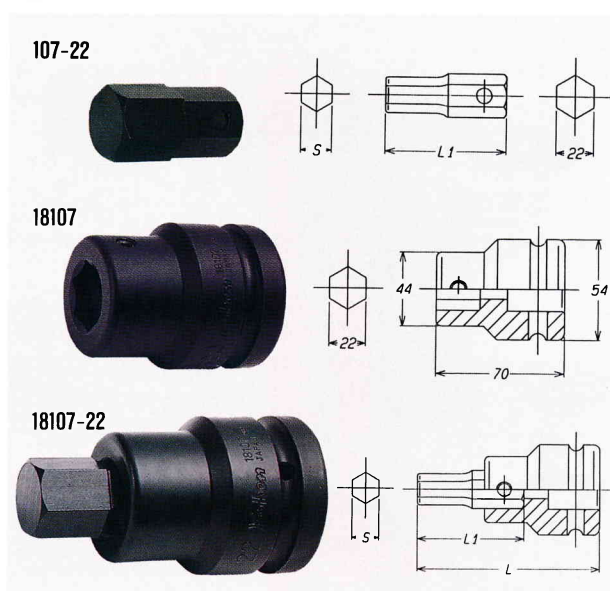
18102M-400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)	(g)
27	45.3	54	27	400	2272
30	49.0	54	30	400	2266
32	51.5	54	32	400	2322
33	52.8	54	32	400	2320
36	56.5	54	32	400	2442


## Impact Sockets


 **18106-16** Hex Sockets


107-16 (mm)	S (mm)	L <sub>1</sub> (mm)	 (g)
10	10	40	46
12	12	40	52
14	14	40	60
17	17	40	73
19	19	40	80
22	22	40	97

18106-16 (mm)	S (mm)	L (mm)	 (g)
10	10	92	686
12	12	92	692
14	14	92	700
17	17	92	713
19	19	92	764
22	22	92	781




 **18107-22** Hex Sockets


18107-22 (mm)	S (mm)	L <sub>1</sub> (mm)	 (g)
19	19	50	140
22	22	50	162
24	24	50	176
27	27	50	200
32	32	50	243


18107-22 (mm)	S (mm)	L (mm)	 (g)
19	19	97	910
22	22	97	932
24	24	97	946
27	27	97	986
32	32	97	1029

## Accessories


**18760-175/-250/-330** Extension Bar

- 18760-175 L=175mm  =1,400g
- 18760-250 L=250mm  =1,885g
- 18760-330 L=330mm  =2,380g



**18770** Universal Joint

L=127mm  =1,210g


**18771** Impact Universal Joint with 7 facets for higher torque

L=126mm  =1,310g

**18866A  /18877A** Adaptor

- 18866A  $\square 1" \times \square 3/4"$  L=65mm  =580g
- 18877A  $\square 1" \times \square 1-1/2"$  L=80mm  =935g



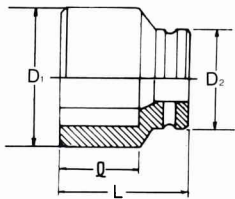
Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.


# 1-1/2"


## Impact Sockets

### 17400M/17400A

6-point Sockets



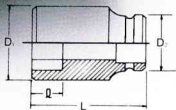
17400M	17400A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
41	1-5/8	68	86	22	80	2346
42		70	86	22	80	2330
	1-11/16	71	86	22	80	2300
	1-3/4	73	86	22	80	2290
46	1-13/16	74	86	26	84	2360
	1-7/8	77	86	26	84	2440
50	1-15/16	79	86	27	84	2400
	2	80	86	27	84	2420
52	2-1/16	82	86	38	84	2340
54	2-1/8	84	86	38	84	2340
55	2-3/16	85	86	44	90	2450
	2-1/4	87	86	43	90	2460
58	2-5/16	88	86	44	90	2510
60	2-3/8	91	86	43	90	2640
	2-7/16	93	86	47	95	2860
	2-1/2	96	86	47	95	3000
65	2-9/16	97	86	48	95	3050

17400M	17400A	D <sub>1</sub>	D <sub>2</sub>	ℓ	L	
(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(g)
	2-5/8	100	86	51	100	3300
	2-11/16	101	86	51	100	3330
70	2-3/4	103	86	52	100	3350
	2-13/16	105	86	55	105	3670
	2-7/8	106	86	55	105	3610
75	2-15/16	108	86	56	105	3700
	3	108	86	55	105	3680
80	3-1/8	115	86	60	110	4240
	3-1/4	118	86	59	110	4370
85		122	86	60	110	4550
	3-3/8	123	86	60	110	4570
90	3-1/2	128	86	60	112	4840
	3-5/8	132	86	52	112	5230
95	3-3/4	135	86	52	112	5590
100	3-7/8	140	86	53	115	6030
105	4	146	86	57	120	6460
	4-1/8	146	86	57	120	6440
110	4-1/4	153	86	60	124	7680
115	4-1/2	160	86	62	128	8150
120	4-5/8	166	86	64	132	8600
	4-3/4	168	86	64	132	8660
125	4-7/8	173	86	67	136	9660
130	5	180	86	69	140	10700
135	5-1/4	186	86	73	145	11920
140		190	86	76	150	12000
150		200	86	83	160	13620
	6	205	86	88	165	14510
	6-1/2	225	86	94	175	17500

## Impact Sockets

## Accessories

### 17300M/17300A 6-point Deep Sockets



### 17760-175/-250/-330 Extension Bar



- 17760-175 L=175mm =3,300g
- 17760-250 L=250mm =4,000g
- 17760-330 L=330mm =5,200g

### 17770 Universal Joint



L=200mm =4,700g

### 17788A /17799A Adaptor



- 17788A 1-1/2" × 1" L=97mm =2,600g
- 17799A 1-1/2" × 2-1/2" L=115mm =3,790g

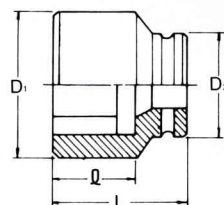
Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

17300M (mm)	17300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)
41	1-5/8	68	86	27	115
42		70	86	27	115
	1-11/16	71	86	27	115
	1-3/4	72	86	27	115
46	1-13/16	74	86	28	125
	1-7/8	77	86	28	125
50		79	86	30	135
	2	80	86	30	135
54	2-1/8	84	86	30	135
55		85	86	33	135
	2-1/4	87	86	33	135
60	2-3/8	91	86	35	135
	2-1/2	95	86	35	135
65	2-9/16	97	86	38	145
	2-11/16	101	86	38	145
70	2-3/4	103	86	40	145
	2-13/16	105	86	40	145
75	2-15/16	108	86	42	155
	3	110	86	42	155
80		115	86	46	165
85		122	86	49	165
90		128	86	52	175
95		135	86	55	175
100		140	86	58	185
105		146	86	62	195
110		153	86	65	195
115		160	86	68	195
120		166	86	72	205
125		173	86	74	205
130		180	86	76	205

# 2-1/2"

## Impact Sockets

**19400M**  
**19400A**  
6-point Sockets



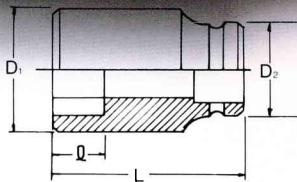
19400M (mm)	19400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)
60	2-3/8	100	127	45	125
	2-7/16	102	127	46	125
	2-1/2	103	127	47	125
65	2-9/16	105	127	48	125
	2-5/8	107	127	49	125
	2-11/16	108	127	50	125
70	2-3/4	110	127	51	125
	2-13/16	113	127	52	125
	2-7/8	115	127	53	125
75	2-15/16	118	127	54	125
	3	120	127	55	125
80	3-1/8	124	127	57	125
	3-1/4	125	127	59	125
85	3-3/8	127	127	61	132
90		135	127	64	132
	3-5/8	138	127	64	132
95	3-3/4	140	127	71	140
	3-7/8	143	127	70	140
100	4	146	127	71	142
	4-1/8	155	127	70	142
105		155	127	74	146
110	4-1/4	160	127	76	155
115	4-1/2	167	127	78	158
120	4-5/8	175	127	79	160
125	4-7/8	180	127	82	165

19400M (mm)	19400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)
	5	183	127	81	165
130		185	127	85	169
135	5-1/4	190	127	89	175
	5-3/8	198	127	94	180
140	5-1/2	200	127	93	180
	5-5/8	203	127	94	182
145		205	127	95	183
	5-3/4	207	127	103	192
150		210	127	97	192
	6	217	127	100	196
	6-1/8	218	127	99	196
160		225	127	102	200
165		230	127	105	204
	6-5/8	233	127	105	205
170		235	127	106	207
175		240	127	109	211
	7	248	127	110	213
180		250	127	110	214
185		255	127	113	218
190		265	127	113	220
200		275	127	116	225
210		285	127	123	235
215		290	127	126	240
225		305	127	133	250
235		315	127	140	260

## Impact Sockets

## Accessories

### 19300M 6-point Deep Sockets



19300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)
75	118	127	42	190
80	124	127	46	190
85	127	127	49	195
90	135	127	52	205
95	140	127	55	210
100	146	127	58	215
105	155	127	62	220
110	160	127	65	225
115	167	127	68	230
120	175	127	72	235
125	180	127	74	238
130	185	127	76	243
135	190	127	80	248
140	200	127	82	248
145	205	127	84	248
150	210	127	88	255
155	215	127	92	255
160	225	127	95	260
165	230	127	98	260
170	235	127	100	265
175	240	127	102	270

### 19760-250/-500 Extension Bar



- 19760-250 L=250mm
- 19760-500 L=500mm

### 19770 Universal Joint



L=303mm

### 19977A ☒ Adaptor



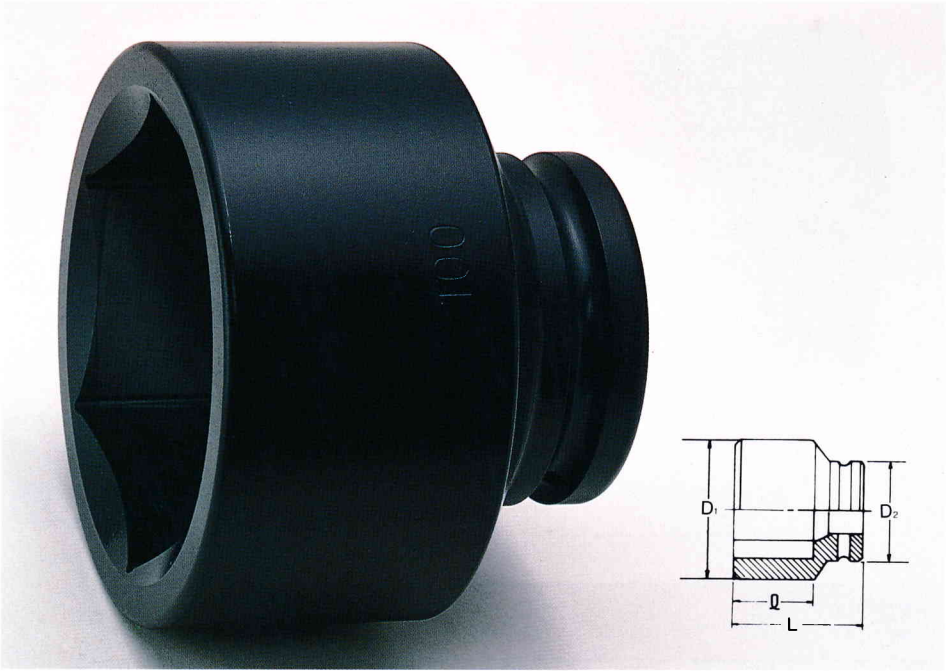
□2-1/2" × □1-1/2" L=144mm ⚖=7,210g

Items in this catalogue marked ☒ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

# 3-1/2"

## Impact Sockets

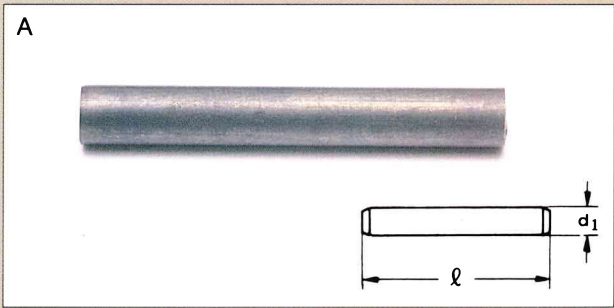
 **10400M/10400A**  
6-point Sockets



10400M (mm)	10400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)
105	4-1/8	165	175	86	176
	4-1/4	168	175	87	178
110		170	175	88	179
	4-3/8	172	175	88	180
115	4-1/2	175	175	89	182
		175	175	90	183
120	4-5/8	178	175	90	183
	4-3/4	180	175	91	185
125	4-7/8	188	175	94	190
	5	188	175	95	191
130	5-1/8	193	175	97	194
	5-1/4	197	175	100	198
135		200	175	101	199
	5-3/8	201	175	102	202
140	5-1/2	205	175	105	205
145		210	175	106	207
	5-5/8	208	175	106	208
150	5-3/4	212	175	108	210
	5-7/8	215	175	109	212
160	6	219	175	110	214
	6-1/8	223	175	112	216
165	6-1/4	227	175	114	218
		228	175	114	220
	6-3/8	231	175	115	221
	6-1/2	235	175	117	224

10400M (mm)	10400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	ℓ (mm)	L (mm)
170	6-5/8	238	175	118	226
		240	175	118	227
175	6-3/4	241	175	119	228
	6-7/8	245	175	120	230
180		245	175	121	231
	7	251	175	121	232
185		255	175	122	234
	7-1/8	257	175	122	234
190	7-1/4	263	175	123	236
		265	175	125	238
195	7-3/8	269	175	124	238
		275	175	125	239
200	7-1/2	275	175	125	240
	7-5/8	278	175	127	242
205	7-3/4	282	175	129	245
		285	175	128	245
210	7-7/8	285	175	130	248
	8	290	175	132	250
215	8-1/8	293	175	133	251
	8-1/4	295	175	135	255
220	8-3/8	298	175	136	258
	8-1/2	300	175	138	260
225		305	175	139	262
	8-5/8	310	175	140	264
230	8-3/4	313	175	142	267
	8-7/8				

# Pin & O Rings



For Sockets

No.		Opening	A		B	
			d1	ℓ	d2	d3
1200	6.3(1/4)		1.5	10.2	2.5	9
1301	10(3/8)	≤12	2.5	14.5	3.5	13
1302	10(3/8)	>12	2.5	17.5	3.5	16
1401	12.5(1/2)	≤14	3.5	20	4	19
1402	12.5(1/2)	>14	3.5	25	4	24
1500	16(5/8)		4	30	4.5	28
1600	20(3/4)		5.5	35	5	36
1700	38(1-1/2)		7	75	10	75
1800	25(1)		6	45	7	45
1900	63(2-1/2)		9	110	10.5	114



For Accessories

No.		Opening	A		B	
			d1	ℓ	d2	d3
1200	6.3(1/4)		1.5	10.2	2.5	9
1301	10(3/8)		2.5	14.5	3.5	13
1302	10(3/8)		2.5	17.5	3.5	16
1401	12.5(1/2)		3.5	20	4	19
1402	12.5(1/2)		3.5	25	4	24
1500	16(5/8)		4	30	4.5	28
1600	20(3/4)		5.5	35	5	36
1700	38(1-1/2)		7	75	10	75
1800	25(1)		6	45	7	45
1900	63(2-1/2)		9	110	10.5	114



# Koken<sup>®</sup> *SOCKET SETS*


Please observe our safety advices pages 2 & 3



## Socket Sets


### 2202AW



2202AW:23 Pieces Set  =830g	
Sockets	Accessories
2400A-6 point sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	2749N (Reversible Ratchet) 2760-100 (Extension Bar) 2769N (Socket Driver) 2770 (Universal Joint) 2785 (T-Handle)
2400W-6 point sockets 0, 1, 2, 3, 4, 5, 6, 7, 8	
METAL CASE:240×100×32mm	


### 2251M/2251A/2251W





2251M:17 Pieces Set  =725g	
Sockets	Accessories
2400M-6 point sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	2749N (Reversible Ratchet) 2760-50 (Extension Bar) 2760-150 (Extension Bar) 2768N (Hinge Handle) 2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:165×110×25mm	

### 2261M




2261M:17 Pieces Set  =690g	
Sockets	Accessories
2400M-6 point sockets 4, 4.5, 5, 5.5, 6, 7 8, 9, 10, 11, 12	2749N (Reversible Ratchet) 2760-50 (Extension Bar) 2760-150 (Extension Bar) 2768N (Hinge Handle) 2770 (Universal Joint) 2785 (T-Handle)
METAL CASE:160×100×28mm	

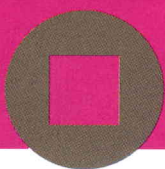
2251A:15 Pieces Set  =680g	
Sockets	Accessories
2400A-6 point sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32 3/8, 7/16, 1/2	2749N, 2760-50 2760-150, 2768N 2770, 2785
METAL CASE:160×100×28mm	

2251W:15 Pieces Set  =785g	
Sockets	Accessories
2400W-6 point sockets 0, 1, 2, 3, 4, 5, 6, 7, 8	2749N, 2760-50 2760-150, 2768N 2770, 2785
METAL CASE:190×59×30mm	

### 2274M



2274M:7 Pieces Set  =245g	
Sockets	Accessories
2300M-6 point Deep Sockets 6, 7, 8, 9, 10, 11, 12	
Plastic Bag	



## Socket Sets

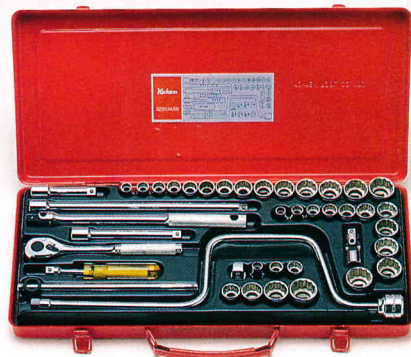
### 3200M/3200A



3200M:18 Pieces Set <span>⚖️ = 2,250g</span>	
Sockets	Accessories
3400M-6 point sockets: 6, 8, 9, 10, 11, 12	3753N (Reversible Ratchet) 3760-125 (Extension Bar) 3760-250 (Extension Bar) 3768N-250 (Hinge Handle) 3769 (Socket Driver) 3785 (T-Handle)
3405M-12 point sockets: 13, 14, 17, 18, 19, 21	
METAL CASE:400×95×50mm	

3200A:18 Pieces Set <span>⚖️ = 2,250g</span>	
Sockets	Accessories
3400A-6 point sockets: 1/4, 5/16, 3/8, 7/16	3753N (Reversible Ratchet) 3760-125 (Extension Bar) 3760-250 (Extension Bar) 3768N-250 (Hinge Handle) 3769 (Socket Driver) 3785 (T-Handle)
3405A-12 point sockets: 1/2, 9/16, 19/32 5/8, 11/16, 3/4, 13/16, 7/8	
METAL CASE:400×95×50mm	

### 3201AMW



3201AMW:42 Pieces Set <span>⚖️ = 4,700g</span>	
Sockets	Accessories
3405M-12 point sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3753N (Reversible Ratchet) 3760-75 (Extension Bar) 3760-125 (Extension Bar) 3760-250 (Extension Bar) 3768N-250 (Hinge Handle) 3769 (Socket Driver) 3770 (Universal Joint) 3780 (Speed Handle) 3785 (T-Handle) 3344A (Adaptor)
3405A-12 point sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32 13/16, 7/8	
3405W-12 point sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16 1/2	
METAL CASE:445×190×50mm	

### 3219M





3219M:16 Pieces Set <span>⚖️ = 1,425g</span>	
Sockets	3430M-Universal Hex Sockets 5, 6, 8, 10 3012M-52 Hex Sockets 4, 5, 6, 8, 10, 12 3012M-75 Hex Sockets 4, 5, 6, 8, 10, 12
METAL CASE:240×100×30mm	

Socket Sets

3215M/3215A




3215M:7 Pieces Set		 = 430g
Sockets	3305M-12 point deep sockets: 8, 10, 11, 12, 13, 14, 17	
Plastic Bag		

3215A:7 Pieces Set		 = 430g
Sockets	3305A-12 point deep sockets: 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16	
Plastic Bag		


3221M



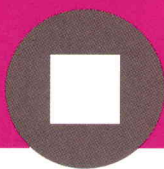
3221M:18 Pieces Set		 =2,300g
Sockets	Accessories	
3405M-12 point sockets 6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22	3753N (Reversible Ratchet)	
	3760-125 (Extension Bar)	
	3760-250 (Extension Bar)	
	3768N-250 (Hinge Handle)	
	3769 (Socket Driver)	
	3785 (T-Handle)	
METAL CASE:392×90×50mm		

3230AMW

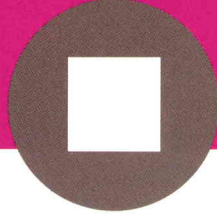


3230AMW:33 Pieces Set		 =3,750g
Sockets	Accessories	
3405M-12 point sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 18, 19, 22	3753N (Reversible Ratchet) 3760-125 (Extension Bar) 3760-250 (Extension Bar) 3768N-250 (Hinge Handle) 3770 (Universal Joint)	
3405A-12 point sockets 3/8, 7/16, 1/2 9/16, 5/8, 11/16 3/4, 13/16, 7/8		
3305W-12 point sockets 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		
3305P-Spark Plug Socket 20.8		
METAL CASE: 445×190×50mm		

# 3/8"




# 1/2"



## Socket Sets


### 3231M



3231M:13 Pieces Set  =1,600g	
Sockets	Accessories
3000-Philips:2, 3, 4 3005-Flat:5, 8, 10 3010M-Hex Sockets:4, 5, 6, 8, 10	3749S (Reversible Ratchet)
METAL CASE:400×95×50mm	


### 3234M



3234M:5 Pieces Set  =530g	
Sockets	Accessories
3011M-62-Ballpoint Sockets: 4, 5, 6, 8	3749S (Reversible Ratchet)
METAL CASE:130×65×30mm	


### 4213M




4213M:18 Pieces Set  =3,850g	
Sockets	Accessories
4405M-12 point sockets 8, 10, 11, 12, 13, 14, 17, 19, 22, 23, 24, 26, 27	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4770 (Universal Joint) 4785 (T-Handle)
METAL CASE:360×150×50mm	

### 4225M/4225A



4225M:13 Pieces Set  =2,500g	
Sockets	Accessories
4405M-12 point sockets 9, 10, 12, 13, 14, 15, 17, 19, 21, 23	4760-125 (Extension Bar) 4768N-300 (Hinge Handle) 4785 (T-Handle)
METAL CASE:310×90×48mm	

4225A:13 Pieces Set  =2,500g	
Sockets	Accessories
4405A-12 point sockets 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 7/8, 15/16	4760-125 (Extension Bar) 4768N-300 (Hinge Handle) 4785 (T-Handle)
METAL CASE:310×90×48mm	

# 1/2"


## Socket Sets

### 4231M/4231A



4231M:15 Pieces Set  =2,650g	
Sockets	Accessories
4405M-12 point sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4760-125 (Extension Bar) 4785 (T-Handle)


METAL CASE: 310×90×40mm

4231A:14 Pieces Set  =2,600g	
Sockets	Accessories
4405A-12 point sockets 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1-1/16, 1-1/8, 1-1/4	4760-125 (Extension Bar) 4785 (T-Handle)

METAL CASE: 310×90×40mm

### 4231W




4231W:9 Pieces Set  =1,770g	
Sockets	Accessories
4405W-12 point sockets 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16	4760-125 (Extension Bar) 4785 (T-Handle)

METAL CASE: 310×90×48mm

### 4232M




4232M:16 Pieces Set  =3,300g	
Sockets	Accessories
4405M-12 point sockets 8, 9, 10, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4768N-380 (Hinge Handle)

METAL CASE: 415×120×50mm

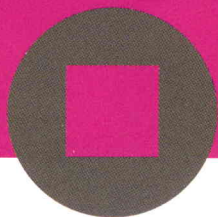
### 4238AM



4238AM:38 Pieces Set  =8,050g	
Sockets	Accessories
4405M-12 point sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32 4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1-1/16, 1-1/8, 1-1/4 4305P-Spark Plug Socket 20.8	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4770 (Universal Joint) 4780 (Speed Handle) 4785 (T-Handle)

METAL CASE: 446×266×50mm

# 1/2"



## Socket Sets

### 4247AM

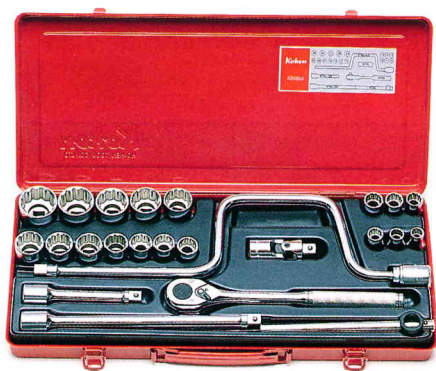


4247AM: 48 Pieces Set  = 16,000g

Sockets	Accessories
4405M-12 point sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26, 29, 32	4710 (Pin Handle) 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle)
4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4	4770 (Universal Joint) 4780 (Speed Handle) 4785 (T-Handle) 6760-200 (Extension Bar) 6785 (T-Handle)
6405A-12 point sockets 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-3/8, 1-7/16, 1-1/2, 1-5/8	

METAL CASE: 410 X 180 X 185mm

### 4248M




4248M: 24 Pieces Set  = 5,700g

Sockets	Accessories
4405M-12 point sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4770 (Universal Joint) 4780 (Speed Handle) 4785 (T-Handle)

METAL CASE: 445 X 190 X 50mm

### 4248AM



4248AM: 25 Pieces Set  = 6,000g

Sockets	Accessories
4405M-12 point sockets 10, 11, 12, 13, 14, 15, 17, 19, 22	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar)
4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	4770 (Universal Joint) 4780 (Speed Handle) 4785 (T-Handle)
4305P-Spark Plug Socket 20.8	

METAL CASE: 446 X 266 X 50mm

### 4250M



4250M: 18 Pieces Set  = 3,700g

Sockets	Accessories
4405M-12 point sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4770 (Universal Joint) 4785 (T-Handle)


METAL CASE: 370 X 155 X 50mm

# 1/2"

## Socket Sets


### 4258AMW



4258AMW:53 Pieces Set  =10,000g	
Sockets	
4405M-12 point sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4405W-12 point sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16 1/2, 9/16, 5/8, 11/16, 3/4 4305P-Spark Plug Socket 20.8
4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1-1/16, 1-1/8, 1-1/4	Accessories 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint) 4780 (Speed Handle) 4785 (T-Handle)
METAL CASE: 446 × 266 × 52mm	


### 4278AMW



4278AMW:33 Pieces Set  =5,450g	
Sockets	
4405M-12 point sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 18, 19, 22	4405W-12 point sockets 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 4305P-Spark Plug Socket 20.8
4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8,	Accessories 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint)
METAL CASE: 445 × 190 × 50mm	


### 4278AMWD



4278AMWD:33 Pieces Set  =5,450g	
Sockets	
4405M-12 point sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 18, 19, 22	4305P-Spark Plug Socket 20.8
4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	Accessories 4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint)
4405W-12 point sockets 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	
METAL CASE: 500 × 200 × 150mm	

### 4280AM



4280AM:27 Pieces Set  =5,000g	
Sockets	Accessories
4405M-12 point sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 18, 19, 22	4753N (Reversible Ratchet) 4760-125 (Extension Bar) 4760-250 (Extension Bar) 4768N-380 (Hinge Handle) 4770 (Universal Joint)
4405A-12 point sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	
4305P-Spark Plug Socket 20.8	
METAL CASE: 445 × 190 × 50mm	


1"

3/4"


## Socket Sets

### 6290M/6290A



6290M:23 Pieces Set  = 20,000g	
Sockets	Accessories
6405M-12 point sockets 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50, 54, 58, 63	6101 (Screw Driver Socket) 6749 (Reversible Ratchet) 6760-75 (Extension Bar) 6760-200 (Extension Bar) 6760-400 (Extension Bar) 6770 (Universal Joint) 6785 (T-Handle)


METAL CASE: 635 × 215 × 85mm

6290A:29 Pieces Set  = 23,000g	
Sockets	Accessories
6405A-12 point sockets 7/8, 15/16, 31/32, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 2, 2-1/8, 2-3/16, 2-1/4	6101 (Screw Driver Socket) 6749 (Reversible Ratchet) 6760-75 (Extension Bar) 6760-200 (Extension Bar) 6760-400 (Extension Bar) 6770 (Universal Joint) 6785 (T-Handle)

METAL CASE: 635 × 215 × 85mm

### 8250M




8250M:16 Pieces Set  = 31,000g	
Sockets	Accessories
8405M-12 point sockets 46, 50, 54, 55, 58, 60, 63, 65, 67, 70, 71	8749 (Reversible Ratchet) 8760-200 (Extension Bar) 8760-400 (Extension Bar) 8785 (T-Handle) 8866A (Adaptor)


METAL CASE: 655 × 215 × 115mm

### 8290M/8290A

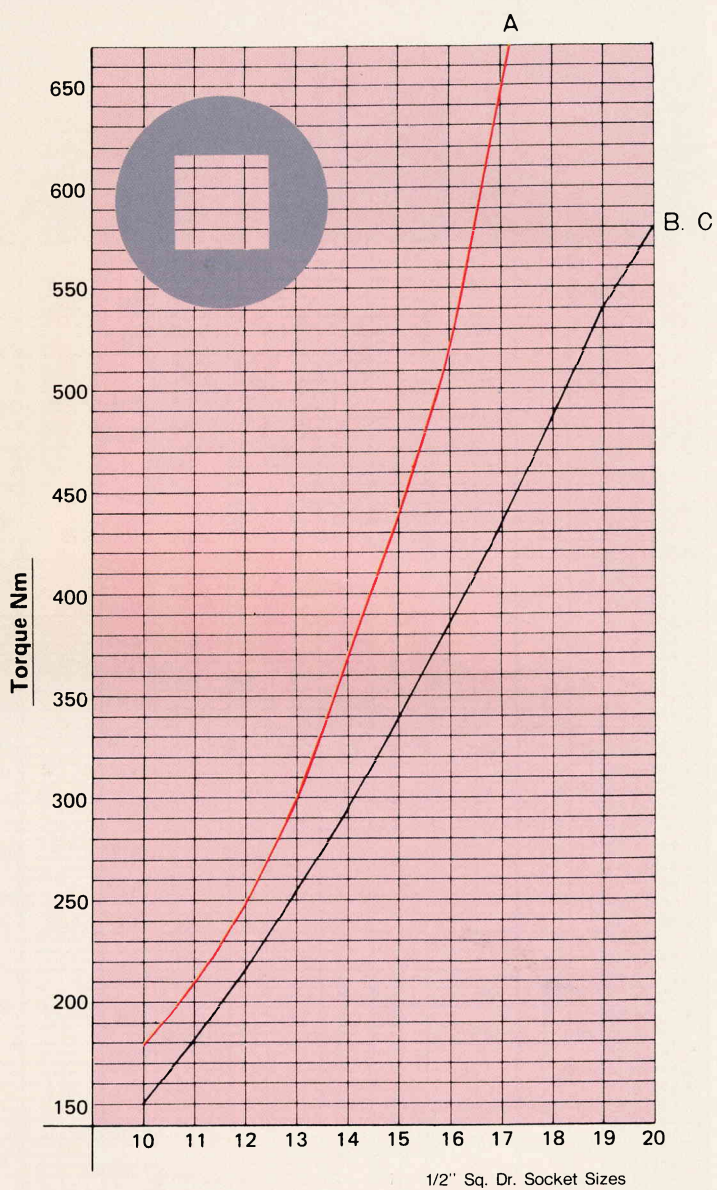
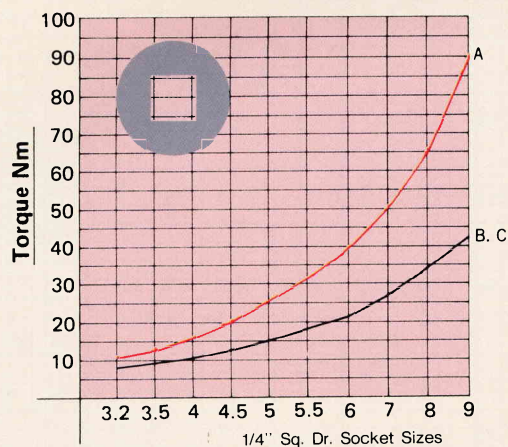
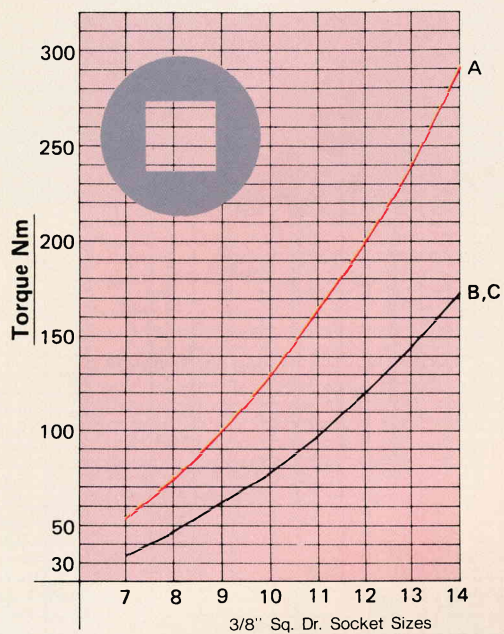


8290M:13 Pieces Set  = 22,800g	
Sockets	Accessories
8405M-12 point sockets 35, 38, 41, 46, 50, 54, 58, 63,	8749 (Reversible Ratchet) 8760-200 (Extension Bar) 8760-400 (Extension Bar) 8770 (Universal Joint) 8785 (T-Handle)

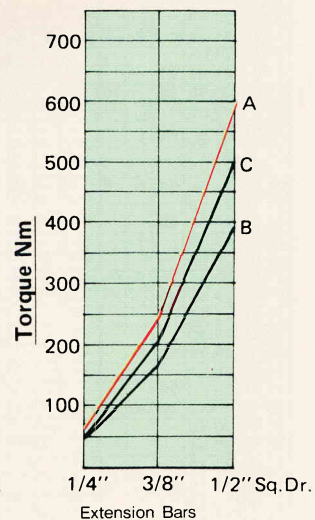
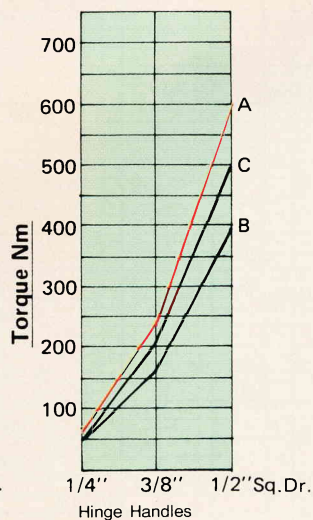
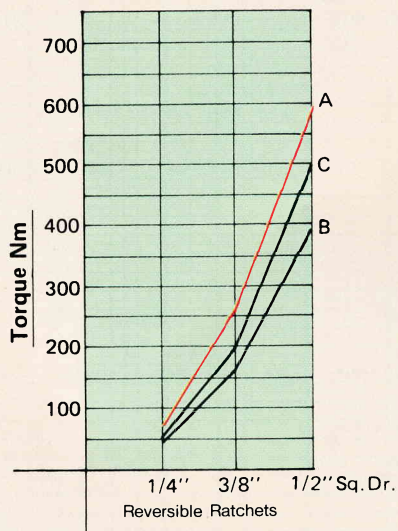
METAL CASE: 635 × 150 × 100mm

8290A:13 Pieces Set  = 22,800g	
Sockets	Accessories
8405A-12 point sockets 1-7/16, 1-1/2, 1-5/8, 1-13/16, 2, 2-1/8, 2-1/4, 2-1/2	8749 (Reversible Ratchet) 8760-200 (Extension Bar) 8760-400 (Extension Bar) 8770 (Universal Joint) 8785 (T-Handle)

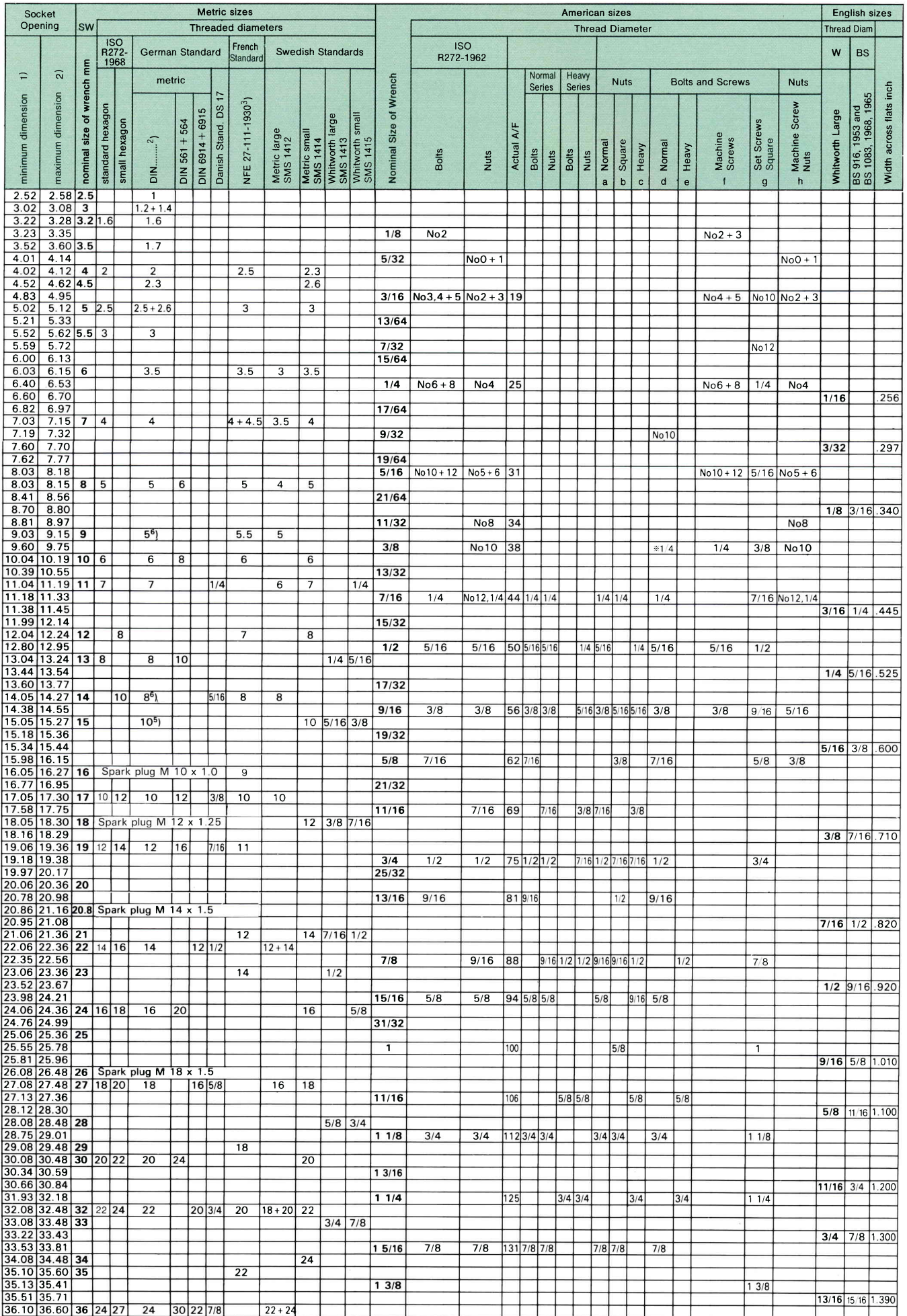
METAL CASE: 635 × 150 × 100mm



A - **Koken**  
 B - ISO  
 C - DIN



of German, American, British, Norwegian, French, and Swedish sizes for Wrenches



## of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

[illegible]

- 1) max-min dimensions for metric sizes according to DIN 475/2, series 1
- 2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7513, 7964, 7967, 7968, 7976, 7990
- 3) NFE 27-311 is identical to ISO R 2732 since Oct. 1969
- 4) Standards prior to 1966
- 5) Only applicable to Motor Industry (M 10 acc. to DIN 70 613 through 70 618)
- 6) Standards prior to 1963


- a) Hex Flat and Hex Flat Jam Nuts  
Hex Nuts and Hex Jam Nuts  
Hex Slotted Nuts  
Hex Thick Nuts  
Hex Thick Slotted Nuts  
Hex Castle Nuts
- b) Square Nuts
- c) Heavy Square Nuts  
Heavy Hex Flat Nuts  
Heavy Hex Flat Jam Nuts  
Heavy Hex Nuts  
Heavy Hex Jam Nuts  
Heavy Hex Slotted Nuts

- d) Square Bolts
- Hex Bolts
- Hex Cap Screws
- Lag Screws
- e) Heavy Hex Bolts
- Heavy Hex Structural Bolts
- Heavy Hex Screws

- f) ANSI B 18.6.3—1962  
g) ANSI B 18.6.2—1956  
h) ANSI B 18.6.3—1962  
\* Square Bolt and Nut

ANSI B 18.2.2-1972

ANSI B 18.2.1-1972

<div>  <div> <div>Conversion Table: American</div> <div>Inches-Decimal</div> <div>Inches-Millimeter</div> </div> </div>													
in.	dec. in.	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
Millimeter(mm)													
0	0	0	25 400 0	50 800 0	76 200 0	101 600 0	127 000 0	152 400 0	177 800 0	203 200 0	228 600 0	254 000 0	279 400 0
1/64	0.015 625	0 396 9	25 796 9	51 196 9	76 596 9	101 996 9	127 396 9	152 796 9	178 196 9	203 596 9	228 996 9	254 396 9	279 796 9
1/32	0.031 25	0 793 8	26 193 8	51 593 8	76 993 8	102 393 8	127 793 8	153 193 8	178 593 8	203 993 8	229 393 8	254 793 8	280 193 8
3/64	0.046 875	1 190 6	26 590 6	51 990 6	77 390 6	102 790 6	128 190 6	153 590 6	178 990 6	204 390 6	229 790 6	255 190 6	280 590 6
1/16	0.062 5	1 587 5	26 987 5	52 387 5	77 787 5	103 187 5	128 587 5	153 987 5	179 387 5	204 787 5	230 187 5	255 587 5	280 987 5
5/64	0.078 125	1 984 4	27 384 4	52 784 4	78 184 4	103 584 4	128 984 4	154 384 4	179 784 4	205 184 4	230 584 4	255 984 4	281 384 4
3/32	0.093 75	2 381 2	27 781 2	53 181 2	78 581 2	103 981 2	129 381 2	154 781 2	180 181 2	205 581 2	230 981 2	256 381 2	281 781 2
7/64	0.109 375	2 778 1	28 178 1	53 578 1	78 978 1	104 378 1	129 778 1	155 178 1	180 578 1	205 978 1	231 378 1	256 778 1	282 178 1
1/8	0.125	3 175 0	28 575 0	53 975 0	79 375 0	104 775 0	130 175 0	155 575 0	180 975 0	206 375 0	231 775 0	257 175 0	282 575 0
9/64	0.140 625	3 571 9	28 971 9	54 371 9	79 771 9	105 171 9	130 571 9	155 971 9	181 371 9	206 771 9	232 171 9	257 571 9	282 971 9
5/32	0.156 25	3 968 8	29 368 8	54 768 8	80 168 8	105 568 8	130 968 8	156 368 8	181 768 8	207 168 8	232 568 8	257 968 8	283 368 8
11/64	0.171 875	4 365 6	29 765 6	55 165 6	80 565 6	105 965 6	131 365 6	156 765 6	182 165 6	207 565 6	232 965 6	258 365 6	283 765 6
3/16	0.187 5	4 762 5	30 162 5	55 562 5	80 962 5	106 362 5	131 762 5	157 162 5	182 562 5	207 962 5	233 362 5	258 762 5	284 162 5
13/64	0.203 125	5 159 4	30 559 4	55 959 4	81 359 4	106 759 4	132 159 4	157 559 4	182 959 4	208 359 4	233 759 4	259 159 4	284 559 4
7/32	0.218 75	5 556 2	30 956 2	56 356 2	81 756 2	107 156 2	132 556 2	157 956 2	183 356 2	208 756 2	234 156 2	259 556 2	284 956 2
15/64	0.234 375	5 953 1	31 353 1	56 753 1	82 153 1	107 553 1	132 953 1	158 353 1	183 753 1	209 153 1	234 553 1	259 953 1	285 353 1
1/4	0.25	6 350 0	31 750 0	57 150 0	82 550 0	107 950 0	133 350 0	158 750 0	184 150 0	209 550 0	234 950 0	260 350 0	285 750 0
17/64	0.265 625	6 746 9	32 146 9	57 546 9	82 946 9	108 346 9	133 746 9	159 146 9	184 546 9	209 946 9	235 346 9	260 746 9	286 146 9
9/32	0.281 25	7 143 8	32 543 8	57 943 8	83 343 8	108 743 8	134 143 8	159 543 8	184 943 8	210 343 8	235 743 8	261 143 8	286 543 8
19/64	0.296 875	7 540 6	32 940 6	58 340 6	83 740 6	109 140 6	134 540 6	159 940 6	185 340 6	210 740 6	236 140 6	261 540 6	286 940 6
5/16	0.312 5	7 937 5	33 337 5	58 737 5	84 137 5	109 537 5	134 937 5	160 337 5	185 737 5	211 137 5	236 537 5	261 937 5	287 337 5
21/64	0.328 125	8 334 4	33 734 4	59 134 4	84 534 4	109 934 4	135 334 4	160 734 4	186 134 4	211 534 4	237 334 4	262 734 4	287 934 4
11/32	0.343 75	8 731 2	34 131 2	59 531 2	84 931 2	110 331 2	135 731 2	161 131 2	186 531 2	211 931 2	237 731 2	262 731 2	288 131 2
23/64	0.359 375	9 128 1	34 528 1	59 928 1	85 328 1	110 728 1	136 128 1	161 528 1	186 928 1	212 328 1	237 728 1	263 128 1	288 528 1
3/8	0.375	9 525 0	34 925 0	60 325 0	85 725 0	111 125 0	136 525 0	161 925 0	187 325 0	212 725 0	238 125 0	263 525 0	288 925 0
25/64	0.390 625	9 921 9	35 321 9	60 721 9	86 121 9	111 521 9	136 921 9	162 321 9	187 721 9	213 121 9	238 521 9	263 921 9	289 321 9
13/32	0.406 25	10 318 8	35 718 8	61 118 8	86 518 8	111 918 8	137 318 8	162 718 8	188 118 8	213 518 8	239 318 8	264 718 8	289 718 8
27/64	0.421 875	10 715 6	36 115 6	61 515 6	86 915 6	112 315 6	137 715 6	163 115 6	188 515 6	213 915 6	239 715 6	264 715 6	290 115 6
7/16	0.437 5	11 112 5	36 512 5	61 912 5	87 312 5	112 712 5	138 112 5	163 512 5	188 912 5	214 312 5	239 712 5	265 112 5	290 512 5
29/64	0.453 125	11 509 4	36 909 4	62 309 4	87 709 4	113 109 4	138 509 4	163 909 4	189 309 4	214 709 4	240 109 4	265 509 4	290 909 4
15/32	0.468 75	11 906 2	37 306 2	62 706 2	88 106 2	113 506 2	138 906 2	164 306 2	189 706 2	215 106 2	240 506 2	265 906 2	291 306 2
31/64	0.484 375	12 303 1	37 703 1	63 103 1	88 503 1	113 903 1	139 303 1	164 703 1	190 103 1	215 503 1	240 903 1	266 303 1	291 703 1
1/2	0.5	12 700 0	38 100 0	63 500 0	88 900 0	114 300 0	139 700 0	165 100 0	190 500 0	215 900 0	241 300 0	266 700 0	292 100 0
33/64	0.515 625	13 096 9	38 496 9	63 896 9	89 296 9	114 696 9	140 096 9	165 496 9	190 896 9	216 296 9	241 696 9	267 096 9	292 496 9
17/32	0.531 25	13 493 8	38 893 8	64 293 8	89 693 8	115 093 8	140 493 8	165 893 8	191 293 8	216 693 8	242 093 8	267 493 8	292 893 8
35/64	0.546 875	13 890 6	39 290 6	64 690 6	90 090 6	115 490 6	140 890 6	166 290 6	191 690 6	217 090 6	242 490 6	267 890 6	293 290 6
9/16	0.562 5	14 287 5	39 687 5	65 087 5	90 487 5	115 887 5	141 287 5	166 687 5	192 087 5	217 487 5	242 887 5	268 287 5	293 687 5
37/64	0.578 125	14 684 4	40 084 4	65 484 4	90 884 4	116 284 4	141 684 4	167 084 4	192 484 4	217 884 4	243 284 4	268 684 4	294 084 4
19/32	0.593 75	15 081 2	40 481 2	65 881 2	91 281 2	116 681 2	142 081 2	167 481 2	192 881 2	218 281 2	243 681 2	269 081 2	294 481 2
39/64	0.609 375	15 478 1	40 878 1	66 278 1	91 678 1	117 078 1	142 478 1	167 878 1	193 278 1	218 678 1	244 078 1	269 478 1	294 878 1
5/8	0.625	15 875 0	41 275 0	66 675 0	92 075 0	117 475 0	142 875 0	168 275 0	193 675 0	219 075 0	244 475 0	269 875 0	295 275 0
41/64	0.640 625	16 271 9	41 671 9	67 071 9	92 471 9	117 871 9	143 271 9	168 671 9	194 071 9	219 471 9	244 871 9	270 271 9	295 671 9
21/32	0.656 25	16 668 8	42 068 8	67 468 8	92 868 8	118 268 8	143 668 8	169 068 8	194 468 8	219 868 8	245 268 8	270 668 8	296 068 8
43/64	0.671 875	17 065 6	42 465 6	67 865 6	93 265 6	118 665 6	144 065 6	169 465 6	194 865 6	220 265 6	245 665 6	271 065 6	296 465 6
11/16	0.687 5	17 462 5	42 862 5	68 262 5	93 662 5	119 062 5	144 462 5	169 862 5	195 262 5	220 662 5	246 062 5	271 462 5	296 862 5
45/64	0.703 125	17 859 4	43 259 4	68 659 4	94 059 4	119 459 4	144 859 4	170 259 4	195 659 4	221 059 4	246 459 4	271 859 4	297 259 4
23/32	0.718 75	18 256 2	43 656 2	69 056 2	94 456 2	119 856 2	145 256 2	170 656 2	196 056 2	221 456 2	246 856 2	272 256 2	297 656 2
47/64	0.734 375	18 653 1	44 053 1	69 453 1	94 853 1	120 253 1	145 653 1	171 053 1	196 453 1	221 853 1	247 253 1	272 653 1	298 053 1
3/4	0.75	19 050 0	44 450 0	69 850 0	95 250 0	120 450 0	146 050 0	171 450 0	196 850 0	222 250 0	247 650 0	273 050 0	298 450 0
49/64	0.765 625	19 446 9	44 846 9	70 246 9	95 646 9	121 046 9	146 446 9	171 846 9	197 246 9	222 646 9	248 046 9	273 446 9	298 846 9
25/32	0.781 25	19 843 8	45 243 8	70 643 8	96 043 8	121 443 8	146 843 8	172 243 8	197 643 8	223 043 8	248 443 8	273 843 8	299 243 8
51/64	0.796 875	20 240 6	45 640 6	71 040 6	96 440 6	121 840 6	147 240 6	172 640 6	198 040 6	223 440 6	248 840 6	274 240 6	299 640 6
13/16	0.812 5	20 637 5	46 037 5	71 437 5	96 837 5	122 237 5	147 637 5	173 037 5	198 437 5	223 837 5	249 237 5	274 637 5	300 037 5
53/64	0.828 125	21 034 4	46 434 4	71 834 4	97 234 4	122 634 4	148 034 4	173 434 4	198 834 4	224 234 4	249 634 4	275 034 4	300 434 4
27/32	0.843 75	21 431 2	46 831 2	72 231 2	97 631 2	123 031 2	148 431 2	173 831 2	199 231 2	224 631 2	250 031 2	275 431 2	300 831 2
55/64	0.859 375	21 828 1	47 228 1	72 628 1	98 028 1	123 428 1	148 828 1	174 228 1	199 628 1	225 028 1	250 428 1	275 828 1	301 228 1
7/8	0.875	22 225 0	47 625 0	73 025 0	98 425 0	123 825 0	149 225 0	174 625 0	200 025 0	225 425 0	250 825 0	276 225 0	301 625 0
57/64	0.890 625	22 621 9	48 021 9	73 421 9	98 821 9	124 221 9	149 621 9	175 021 9	200 421 9	225 821 9	251 221 9	276 621 9	302 021 9
29/32	0.906 25	23 018 8	48 418 8	73 818 8	99 218 8	124 618 8	150 018 8	175 418 8	200 818 8	226 218 8	251 618 8	277 018 8	302 418 8
59/64	0.921 875	23 415 6	48 815 6	74 215 6	99 615 6	125 015 6	150 415 6	175 815 6	201 215 6	226 615 6	252 015 6	277 415 6	302 815 6
15/16	0.937 5	23 812 5	49 212 5	74 612 5	100 012 5	125 412 5	150 812 5	176 212 5	201 612 5	227 012 5	252 412 5	277 812 5	303 212 5
61/64	0.953 125	24 209 4	49 609 4	75 009 4	100 409 4	125 809 4	151 209 4	176 609 4	202 009 4	227 409 4	252 809 4	278 209 4	303 609 4
31/32	0.968 75	24 606 2	50 006 2	75 406 2	100 806 2	126 206 2	151 606 2	177 006 2					

# INDEX

## Hand Sockets

### Sockets

#### ■1/4"SQ·DR

Page

2400M	5
2400A	5
2405M	5
2405A	5
2400W	6
2415M	6
2415A	6
2425	6
2300M	7
2300A	7
2305M	7
2305A	7
2440M	7
2440A	7
2441M	7
2000	8
2005	8
2010M	8
2020	8
2025	8

#### ■3/8"SQ·DR

3400M	17
3400A	17
3405M	17
3405A	17
3405W	18
3415A	18
3425	18
3450M	18
3300M	19
3300A	19
3305M	19
3305A	19
3325	19
3300S	20
3305P	20
3340G	21
3345P	21
3440M	22
3440A	22
3340M	22
3440T	22
3430M	22
3000	23
3005	23
3010M	23
3011M	24
3020	24
3025	24
3001	25
3006	25
3012M	25

#### ■1/2"SQ·DR

4400M	34
4400A	34
4405M	34
4405A	34
4405W	35
AL4400M	35

4425	35
4450M	35
4300M	36
4300A	36
4305M	36
4305A	36
4325	37
4300S	37
4305P	37
4345P	38
4440M	38
4440A	38
4440T	38
4000	39
4005	39
4010M	39
4020	40
4025	41
4001	42
4006	42
4012M	42
4012M	43

#### ■3/4"SQ·DR

6400M	55
6400A	55
6405M	56
6405A	56
6300M	57
6300A	57
6305M	57
6305A	57
6012M	58

#### ■1"SQ·DR

8400M	62
8400A	62
8405M	62
8405A	62

### Accessories

#### ■1/4"SQ·DR

2749N	9
2749G	9
2749P	9
2749NB	9
2749GB	9
2749PB	9
2752N	10
2752G	10
2774G	10
2774P	10
2755	11
2760	11
2762	11
2763	11
2768	11
2768G	11
2768P	11
2769N	12
2769F	12
2769H	12
2770	12
2780	12
2785	12
2233A	12

#### ■3/8"SQ·DR

2749P-3/8	26
3749S	26
3749N	26
3749SB	26
3749NB	26
3752N	26
3752G	26
3753N	27
3753G	27
3753P	27
3753NB	27
3753GB	27
3753PB	27
3774N	28
3774G	28
3774P	28
3775N	28
3775G	28
3715	29
3755	29
3760	29
3762	29
3763	29
3768N	29
3768G	29
3768P	29
3769	30
3769H	30
3770	30
3780	30
3785	30
3322A	30
3344A	30

#### ■1/2"SQ·DR

3749S-1/2	44
4749N	44
4749K	44
4752N	44
3749SB-1/2	44
4753N	45
4753G	45
4753P	45
4753NB	45
4753GB	45
4753PB	45
4774N	46
4774G	46
4774P	46
4775N	46
4775G	46
4715	47
4755	47
4760	47
4763	47
4768N	48
4768R	48
4768G	48
4768P	48
4770	49
4780	49
4785	49
4747	49
4788	49
4433A	49
4466A	49

INDEX

■ 3/4"SQ·DR

	Page
6749	58
6755	58
6760	58
6768	58
6770	59
6785	59
6644A	59
6688A	59

■ 1"SQ·DR

8749	63
8760	63
8768	63
8770	63
8785	63
8866A	63

Sets

■ 1/4"SQ·DR

2203M	13
2203A	13
2262M	13
2272M	14
2272A	14
2250M	14
2250A	14
2201AM	15
2255M	15
2257M	16
2202AM	119
2251M	119
2251A	119
2251W	119
2261M	119
2274M	119

■ 3/8"SQ·DR

3220M	31
3206M	31
3206A	31
A3206M	31
3210M	32
3206AM	32
3217M	33
3222M	33
3223M	33
3240M	33
3240A	33
3200M	120
3200A	120
3201AMW	120
3219M	120
3215M	121
3215A	121
3221M	121
3230AMW	121
3231M	122
3234M	122

■ 1/2"SQ·DR

4222M	50
4261M	50
4230M	50
4230A	50

4263M	51
4244M	51
4244A	51
4241M	52
4241A	52
A4241M	52
4273AM	52
4251M	53
4251A	53
4252M	53
4252A	53
4254	54
4240M	54
4240A	54
4213M	122
4225M	122
4225A	122
4231M	123
4231A	123
4231W	123
4232M	123
4238AM	123
4247AM	124
4248M	124
4248AM	124
4250M	124
4258AMW	125
4278AMW	125
4278AMWD	125
4280AM	125

■ 3/4"SQ·DR

6201M	60
6201A	60
6212M	60
6220M	61
6220A	61
6260M	61
6260A	61
6290M	126
6290A	126

■ 1"SQ·DR

8200M	64
8200A	64
8225M	64
8250M	126
8290M	126
8290A	126

Screw and Stud Pullers

4100M	65
4100A	65
6100M	65
141S	65
141	65
141P	65
4103M	66

■ Sets

4211M	66
4211A	66
4214M	66
4203M	66

Drain Plug Keys

3110M	67
3110A	67

4110M	67
4102	67
106	67

■ Sets

4202	67
------	----

Ratcheting Ring Spanners & Bits

102NM	69
102NA	69
102KM	69
102KA	69
102KT	69
103KM	70
103KA	70
103KT	70
144KM	70
148KM	70
138	71
139	71
R810	71

■ Bits

101P	72
101S	72
101H	72
101T	72
101B	72
128H	73
101A	73
128T	73

■ Sets

2254M	74
R810A	75
R810B	75
R810C	75
R810D	75
R810E	75

Attack Drivers

4112M	77
4112G	77
AN112A	77
AG112A	77

■ Bit Holder

2137	78
3137	78
3138	78
4137	78
4138	78

■ Bits

108P	79
108S	79
108H	79
108T	79
100P	80
100S	80
100H	80
100T	80
100PS	81
131P	81
131S	81
131T	81

## Impact Sockets

### Nut Setters

	Page
113	83
115	83
118	83
119	83

### Adaptor

110	84
112	84
117	84
120	84

### Sockets

#### 1/4"SQ·DR

12400M	85
12400A	85
12410M	85
12425	85
12400MG	85
12400AG	85
12465M	86
12365M	86

#### 3/8"SQ·DR

13400M	87
13400A	87
13410M	87
13425	87
13400MG	87
13400AG	87
13300M	88
13300A	88
13310M	88
13465M	89
13365M	89
13440M	89
13440A	89
13103M	89
13012M	90
13430M	90
13105-11	90

#### 1/2"SQ·DR

14400M	93
14400A	93
14405M	93
14410M	94
14425	94
14300M	95
14300A	95
14301M	95
14301A	95
14310M	95
14113M	96
14113J	96
14465M	96
14365M	96
14101M	97
14440M	97
14440A	97
14103M	97
14012M	98
14105-11	98

#### 3/4"SQ·DR

16400M	101
16400A	101
16300M	102
16300A	102
16301M	102
16316M	103
16316A	103
16102M	103
16106-16	104
16107-22	104

#### 1"SQ·DR

18400M	106
18400A	106
18300M	107
18300A	107
18301M	107
18301A	107
18450M	108
18316M	108
18316A	108
18101M	109
18104M	109
18102M	109
18106-16	110
18107-22	110

#### 1,1/2"SQ·DR

17400M	112
17400A	112
17300M	113
17300A	113

#### 2,1/2"SQ·DR

19400M	114
19400A	114
19300M	115

#### 3,1/2"SQ·DR

10400M	116
10400A	116

### Accessories

#### 1/4"SQ·DR

12760	86
12770	86
12233A	86

#### 3/8"SQ·DR

13760	91
13770	91
13771	91
13322A	91
13344A	91

#### 1/2"SQ·DR

14112	99
14760	99
14770	99
14771	99
14433A	99
14455A	99
14466A	99

#### 3/4"SQ·DR

16760	105
16770	105
16771	105
16644A	105
16655A	105
16688A	105

#### 1"SQ·DR

18760	111
18770	111
18771	111
18866A	111
18877A	111

#### 1,1/2"SQ·DR

17760	113
17770	113
17788A	113
17799A	113

#### 2,1/2"SQ·DR

19760	115
19770	115
19977A	115

### Sets

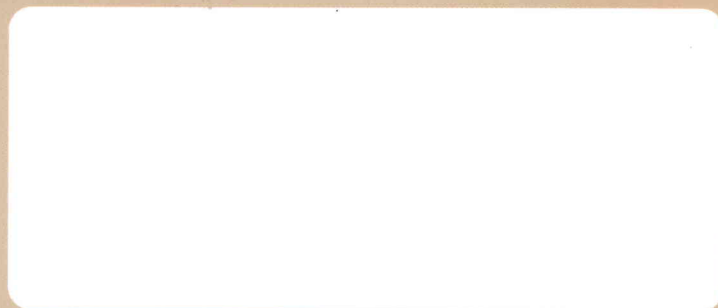
#### 3/8"SQ·DR

13241M	92
13242M	92

#### 1/2"SQ·DR

14240M	100
14241M	100
14242M	100

Pin Oring	107
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***Koken* TOOL CO., LTD.**